BARGE "EMS 525"

INNAGE TRIM TABLE
HULL # 1271

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
1 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
2 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4
2 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4
3 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-2/8	- 00-2/8	00-1/2	- 00-1/2
3 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-2/8	- 00-2/8	00-3/8	- 00-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
AFT DRAFT = 4'-00"
DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 253'-00"

August 8, 2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588

http://www.pmacorp.net

BARGE "EMS 525"

1 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

HULL # C-1271

GAUGE HEIGHT 15'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21.44	0	359.94	0	723.37	0	1,086.56	0	1,449.75	0	1,813.20	0	2,176.64	0	2,540.09	0	2,903.43	0	3,266.74
1/4	25.70	1/4	367.51	1/4	730.94	1/4	1,094.12	1/4	1,457.32	1/4	1,820.77	1/4	2,184.22	1/4	2,547.66	1/4	2,911.00	1/4	3,274.31
1/2	29.95	1/2	375.08	1/2	738.51	1/2	1,101.68	1/2	1,464.90	1/2	1,828.34	1/2	2,191.79	1/2	2,555.23	1/2	2,918.57	1/2	3,281.88
3/4	34.21	3/4	382.65	3/4	746.08	3/4	1,109.24	3/4	1,472.47	3/4	1,835.91	3/4	2,199.36	3/4	2,562.81	3/4	2,926.13	3/4	3,289.45
1	38.47	1	390.22	1	753.66	1	1,116.80	1	1,480.04	1	1,843.49	1	2,206.93	1	2,570.38	1	2,933.70	1	3,297.02
1/4	43.99	1/4	397.79	1/4	761.23	1/4	1,124.36	1/4	1,487.61	1/4	1,851.06	1/4	2,214.50	1/4	2,577.95	1/4	2,941.27	1/4	3,304.58
1/2	49.51	1/2	405.37	1/2	768.80	1/2	1,131.92	1/2	1,495.18	1/2	1,858.63	1/2	2,222.08	1/2	2,585.52	1/2	2,948.84	1/2	3,312.15
3/4	55.03	3/4	412.94	3/4	776.37	3/4	1,139.47	3/4	1,502.75	3/4	1,866.20	3/4	2,229.65	3/4	2,593.09	3/4	2,956.41	3/4	3,319.72
2	60.55	2	420.51	2	783.94	2	1,147.03	2	1,510.33	2	1,873.77	2	2,237.22	2	2,600.67	2	2,963.98	2	3,327.29
1/4	67.33	1/4	428.08	1/4	791.51	1/4	1,154.59	1/4	1,517.90	1/4	1,881.34	1/4	2,244.79	1/4	2,608.24	1/4	2,971.55	1/4	3,334.86
1/2	74.11	1/2	435.65	1/2	799.08	1/2	1,162.15	1/2	1,525.47	1/2	1,888.92	1/2	2,252.36	1/2	2,615.81	1/2	2,979.12	1/2	3,342.43
3/4	80.90	3/4	443.22	3/4	806.66	3/4	1,169.71	3/4	1,533.04	3/4	1,896.49	3/4	2,259.93	3/4	2,623.38	3/4	2,986.69	3/4	3,350.00
3	87.68	3	450.80	3	814.23	3	1,177.27	3	1,540.61	3	1,904.06	3	2,267.51	3	2,630.95	3	2,994.26	3	3,357.57
1/4	95.17	1/4	458.37	1/4	821.80	1/4	1,184.83	1/4	1,548.19	1/4	1,911.63	1/4	2,275.08	1/4	2,638.52	1/4	3,001.82	1/4	3,365.14
1/2	102.66	1/2	465.94	1/2	829.37	1/2	1,192.39	1/2	1,555.76	1/2	1,919.20	1/2	2,282.65	1/2	2,646.09	1/2	3,009.39	1/2	3,372.71
3/4	110.16	3/4	473.51	3/4	836.94	3/4	1,199.95	3/4	1,563.33	3/4	1,926.78	3/4	2,290.22	3/4	2,653.65	3/4	3,016.96	3/4	3,380.27
4	117.65	4	481.08	4	844.51	4	1,207.51	4	1,570.90	4	1,934.35	4	2,297.79	4	2,661.22	4	3,024.53	4	3,387.84
1/4	125.22	1/4	488.65	1/4	852.08	1/4	1,215.07	1/4	1,578.47	1/4	1,941.92	1/4	2,305.37	1/4	2,668.79	1/4	3,032.10	1/4	3,395.41
1/2	132.79	1/2	496.22	1/2	859.66	1/2	1,222.63	1/2	1,586.04	1/2	1,949.49	1/2	2,312.94	1/2	2,676.36	1/2	3,039.67	1/2	3,402.98
3/4	140.36	3/4	503.80	3/4	867.23	3/4	1,230.19	3/4	1,593.62	3/4	1,957.06	3/4	2,320.51	3/4	2,683.93	3/4	3,047.24	3/4	3,410.55
5	147.94	5	511.37	5	874.80	5	1,237.75	5	1,601.19	5	1,964.63	5	2,328.08	5	2,691.50	5	3,054.81	5	3,418.12
1/4	155.51	1/4	518.94	1/4	882.37	1/4	1,245.32	1/4	1,608.76	1/4	1,972.21	1/4	2,335.65	1/4	2,699.06	1/4	3,062.38	1/4	3,425.69
1/2	163.08	1/2	526.51	1/2	889.94	1/2	1,252.89	1/2	1,616.33	1/2	1,979.78	1/2	2,343.22	1/2	2,706.63	1/2	3,069.95	1/2	3,433.26
3/4	170.65	3/4	534.08	3/4	897.51	3/4	1,260.46	3/4	1,623.90	3/4	1,987.35	3/4	2,350.80	3/4	2,714.20	3/4	3,077.51	3/4	3,440.83
6	178.22	6	541.65	6	905.09	6	1,268.03	6	1,631.48	6	1,994.92	6	2,358.37	6	2,721.77	6	3,085.08	6	3,448.40
1/4	185.79	1/4	549.22	1/4	912.66	1/4	1,275.60	1/4	1,639.05	1/4	2,002.49	1/4	2,365.94	1/4	2,729.34	1/4	3,092.65	1/4	3,455.96
1/2	193.36	1/2	556.80	1/2	920.23	1/2	1,283.17	1/2	1,646.62	1/2	2,010.07	1/2	2,373.51	1/2	2,736.91	1/2	3,100.22	1/2	3,463.53
3/4	200.94	3/4	564.37	3/4	927.80	3/4	1,290.74	3/4	1,654.19	3/4	2,017.64	3/4	2,381.08	3/4	2,744.48	3/4	3,107.79	3/4	3,471.10
7	208.51	7	571.94	7	935.37	7	1,298.32	7	1,661.76	7	2,025.21	7	2,388.66	7	2,752.05	7	3,115.36	7	3,478.67
1/4	216.08	1/4	579.51	1/4	942.93	1/4	1,305.89	1/4	1,669.33	1/4	2,032.78	1/4	2,396.23	1/4	2,759.62	1/4	3,122.93	1/4	3,486.24
1/2	223.65	1/2	587.08	1/2	950.49	1/2	1,313.46	1/2	1,676.91	1/2	2,040.35	1/2	2,403.80	1/2	2,767.19	1/2	3,130.50	1/2	3,493.81
3/4	231.22	3/4	594.65	3/4	958.05	3/4	1,321.03	3/4	1,684.48	3/4	2,047.92	3/4	2,411.37	3/4	2,774.75	3/4	3,138.07	3/4	3,501.38
8	238.79	8	602.23	8	965.61	8	1,328.60	8	1,692.05	8	2,055.50	8	2,418.94	8	2,782.32	8	3,145.64	8	3,508.95
1/4	246.36	1/4	609.80	1/4	973.17	1/4	1,336.18	1/4	1,699.62	1/4	2,063.07	1/4	2,426.51	1/4	2,789.89	1/4	3,153.20	1/4	3,516.52
1/2	253.94	1/2	617.37	1/2	980.73	1/2	1,343.75	1/2	1,707.19	1/2	2,070.64	1/2	2,434.09	1/2	2,797.46	1/2	3,160.77	1/2	3,524.09
3/4	261.51	3/4	624.94	3/4	988.29	3/4	1,351.32	3/4	1,714.77	3/4	2,078.21	3/4	2,441.66	3/4	2,805.03	3/4	3,168.34	3/4	3,531.65
9	269.08	9	632.51	9	995.85	9	1,358.89	9	1,722.34	9	2,085.78	9	2,449.23	9	2,812.60	9	3,175.91	9	3,539.22
1/4	276.65	1/4	640.08	1/4	1,003.41	1/4	1,366.46	1/4	1,729.91	1/4	2,093.36	1/4	2,456.80	1/4	2,820.17	1/4	3,183.48	1/4	3,546.79
1/2	284.22	1/2	647.65	1/2	1,010.96	1/2	1,374.03	1/2	1,737.48	1/2	2,100.93	1/2	2,464.37	1/2	2,827.74	1/2	3,191.05	1/2	3,554.36
3/4	291.79	3/4	655.23	3/4	1,018.52	3/4	1,381.61	3/4	1,745.05	3/4	2,108.50	3/4	2,471.95	3/4	2,835.31	3/4	3,198.62	3/4	3,561.93
10	299.37	10	662.80	10	1,026.08	10	1,389.18	10	1,752.62	10	2,116.07	10	2,479.52	10	2,842.88	10	3,206.19	10	3,569.50
1/4	306.94	1/4	670.37	1/4	1,033.64	1/4	1,396.75	1/4	1,760.20	1/4	2,123.64	1/4	2,487.09	1/4	2,850.44	1/4	3,213.76	1/4	3,577.07
1/2	314.51	1/2	677.94	1/2	1,041.20	1/2	1,404.32	1/2	1,767.77	1/2	2,131.21	1/2	2,494.66	1/2	2,858.01	1/2	3,221.33	1/2	3,584.64
3/4	322.08	3/4	685.51	3/4	1,048.76	3/4	1,411.89	3/4	1,775.34	3/4	2,138.79	3/4	2,502.23	3/4	2,865.58	3/4	3,228.89	3/4	3,592.21
11	329.65	11	693.08	11	1,056.32	11	1,419.46	11	1,782.91	11	2,146.36	11	2,509.80	11	2,873.15	11	3,236.46	11	3,599.78
1/4	337.22	1/4	700.65	1/4	1,063.88	1/4	1,427.04	1/4	1,790.48	1/4	2,153.93	1/4	2,517.38	1/4	2,880.72	1/4	3,244.03	1/4	3,607.34
1/2	344.79	1/2	708.23	1/2	1,071.44	1/2	1,434.61	1/2	1,798.05	1/2	2,161.50	1/2	2,524.95	1/2	2,888.29	1/2	3,251.60	1/2	3,614.91
3/4	352.37	3/4	715.80	3/4	1,079.00	3/4	1,442.18	3/4	1,805.63	3/4	2,169.07	3/4	2,532.52	3/4	2,895.86	3/4	3,259.17	3/4	3,622.48

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" DIAMETER "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 525"

1 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

HULL # C-1271

GAUGE HEIGHT 15'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,630.05	0	3,993.32	0	4,349.02	0	4,691.46	0	5,019.13	0		0		0		0		0	
1/4	3,637.62	1/4	4,000.85	1/4	4,356.28	1/4	4,698.44	1/4	5,025.74	1/4		1/4		1/4		1/4		1/4	
1/2	3,645.19	1/2	4,008.39	1/2	4,363.55	1/2	4,705.43	1/2	5,032.35	1/2		1/2		1/2		1/2		1/2	
3/4	3,652.76	3/4	4,015.93	3/4	4,370.81	3/4	4,712.41	3/4	5,038.96	3/4		3/4		3/4		3/4		3/4	
1	3,660.33	1	4,023.47	1	4,378.07	1	4,719.40	1	5,045.57	1		1		1		1		1	
1/4	3,667.90	1/4	4,030.98	1/4	4,385.30	1/4	4,726.33	1/4	5,052.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,675.47	1/2	4,038.49	1/2	4,392.54	1/2	4,733.27	1/2	5,058.74	1/2		1/2		1/2		1/2		1/2	
3/4	3,683.03	3/4	4,046.01	3/4	4,399.78	3/4	4,740.21	3/4	5,065.33	3/4		3/4		3/4		3/4		3/4	
2	3,690.60	2	4,053.52	2	4,407.02	2	4,747.14	2	5,071.92	2		2		2		2		2	
1/4	3,698.17	1/4	4,061.01	1/4	4,414.23	1/4	4,754.05	1/4	5,078.48	1/4		1/4		1/4		1/4		1/4	
1/2	3,705.74	1/2	4,068.50	1/2	4,421.45	1/2	4,760.96	1/2	5,085.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,713.31	3/4	4,076.00	3/4	4,428.66	3/4	4,767.87	3/4	5,091.61	3/4		3/4		3/4		3/4		3/4	
3	3,720.88	3	4,083.49	3	4,435.88	3	4,774.78	3	5,098.17	3		3		3		3		3	
1/4	3,728.45	1/4	4,090.96	1/4	4,443.07	1/4	4,781.66	1/4	5,104.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,736.02	1/2	4,098.42	1/2	4,450.26	1/2	4,788.55	1/2	5,111.25	1/2		1/2		1/2		1/2		1/2	
3/4	3,743.59	3/4	4,105.89	3/4	4,457.45	3/4	4,795.44	3/4	5,117.79	3/4		3/4		3/4		3/4		3/4	
4	3,751.16	4	4,113.36	4	4,464.64	4	4,802.32	4	5,124.33	4		4		4		4		4	
1/4	3,758.72	1/4	4,120.80	1/4	4,471.81	1/4	4,809.18	1/4	5,130.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,766.29	1/2	4,128.25	1/2	4,478.98	1/2	4,816.05	1/2	5,137.36	1/2		1/2		1/2		1/2		1/2	
3/4	3,773.86	3/4	4,135.70	3/4	4,486.15	3/4	4,822.91	3/4	5,143.88	3/4		3/4		3/4		3/4		3/4	
5	3,781.43	5	4,143.14	5	4,493.32	5	4,829.77	5	5,150.40	5		5		5		5		5	
1/4	3,789.00	1/4	4,150.56	1/4	4,500.46	1/4	4,836.61	1/4	5,157.61	1/4		1/4		1/4		1/4		1/4	
1/2	3,796.57	1/2	4,157.98	1/2	4,507.61	1/2	4,843.45	1/2	5,164.82	1/2		1/2		1/2		1/2		1/2	
3/4	3,804.14	3/4	4,165.41	3/4	4,514.76	3/4	4,850.29	3/4	5,172.04	3/4		3/4		3/4		3/4		3/4	
6	3,811.71	6	4,172.83	6	4,521.90	6	4,857.13	6	5,179.25	6		6		6		6		6	
1/4	3,819.28	1/4	4,180.23	1/4	4,529.02	1/4	4,863.95	1/4	5,185.59	1/4		1/4		1/4		1/4		1/4	
1/2	3,826.85	1/2	4,187.63	1/2	4,536.15	1/2	4,870.77	1/2	5,191.94	1/2		1/2		1/2		1/2		1/2	
3/4	3,834.41	3/4	4,195.03	3/4	4,543.27	3/4	4,877.58	3/4	5,198.29	3/4		3/4		3/4		3/4		3/4	
7	3,841.98	7	4,202.42	7	4,550.39	7	4,884.40	7	5,204.63	7		7		7		7		7	
1/4	3,849.55	1/4	4,209.80	1/4	4,557.49	1/4	4,891.20	1/4	5,209.76	1/4		1/4		1/4		1/4		1/4	
1/2	3,857.12	1/2	4,217.18	1/2	4,564.59	1/2	4,897.99	1/2	5,214.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,864.69	3/4	4,224.55	3/4	4,571.69	3/4	4,904.78	3/4	5,220.02	3/4		3/4		3/4		3/4		3/4	
8	3,872.26	8	4,231.93	8	4,578.79	8	4,911.58	8	5,225.15	8		8		8		8		8	
1/4	3,879.83	1/4	4,239.28	1/4	4,585.87	1/4	4,918.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,887.40	1/2	4,246.64	1/2	4,592.94	1/2	4,925.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,894.97	3/4	4,253.99	3/4	4,600.02	3/4	4,931.89	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,902.54	9	4,261.34	9	4,607.10	9	4,938.66	9		9		9		9		9		9	
1/4	3,910.10	1/4	4,268.67	1/4	4,614.15	1/4	4,945.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,917.67	1/2	4,276.00	1/2	4,621.20	1/2	4,952.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,925.24	3/4	4,283.33	3/4	4,628.26	3/4	4,958.91	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,932.81	10	4,290.66	10	4,635.31	10	4,965.66	10		10		10		10		10		10	
1/4	3,940.38	1/4	4,297.97	1/4	4,642.34	1/4	4,972.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,947.95	1/2	4,305.27	1/2	4,649.37	1/2	4,979.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,955.52	3/4	4,312.58	3/4	4,656.40	3/4	4,985.84	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,963.09	11	4,319.89	11	4,663.43	11	4,992.57	11		11		11		11		11		11	
1/4	3,970.64	1/4	4,327.17	1/4	4,670.44	1/4	4,999.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,978.20	1/2	4,334.46	1/2	4,677.45	1/2	5,005.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,985.76	3/4	4,341.74	3/4	4,684.45	3/4	5,012.49	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2020 CL
CALCULATED: 08/08/2020 CL
PRINTED: 08/08/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 525"

1 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

HULL # C-1271

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21.42	0	359.56	0	722.61	0	1,084.50	0	1,446.35	0	1,809.41	0	2,172.47	0	2,535.53	0	2,898.51	0	3,261.44
1/4	25.67	1/4	367.12	1/4	730.17	1/4	1,092.01	1/4	1,453.91	1/4	1,816.97	1/4	2,180.03	1/4	2,543.10	1/4	2,906.07	1/4	3,269.01
1/2	29.92	1/2	374.69	1/2	737.73	1/2	1,099.53	1/2	1,461.47	1/2	1,824.54	1/2	2,187.60	1/2	2,550.66	1/2	2,913.63	1/2	3,276.57
3/4	34.17	3/4	382.25	3/4	745.30	3/4	1,107.04	3/4	1,469.04	3/4	1,832.10	3/4	2,195.16	3/4	2,558.22	3/4	2,921.20	3/4	3,284.13
1	38.43	1	389.81	1	752.86	1	1,114.55	1	1,476.60	1	1,839.66	1	2,202.73	1	2,565.79	1	2,928.76	1	3,291.69
1/4	43.94	1/4	397.38	1/4	760.42	1/4	1,122.06	1/4	1,484.16	1/4	1,847.23	1/4	2,210.29	1/4	2,573.35	1/4	2,936.32	1/4	3,299.25
1/2	49.46	1/2	404.94	1/2	767.99	1/2	1,129.57	1/2	1,491.73	1/2	1,854.79	1/2	2,217.85	1/2	2,580.92	1/2	2,943.88	1/2	3,306.81
3/4	54.97	3/4	412.50	3/4	775.55	3/4	1,137.09	3/4	1,499.29	3/4	1,862.35	3/4	2,225.42	3/4	2,588.48	3/4	2,951.44	3/4	3,314.37
2	60.49	2	420.07	2	783.11	2	1,144.60	2	1,506.86	2	1,869.92	2	2,232.98	2	2,596.04	2	2,959.00	2	3,321.93
1/4	67.26	1/4	427.63	1/4	790.68	1/4	1,152.11	1/4	1,514.42	1/4	1,877.48	1/4	2,240.54	1/4	2,603.61	1/4	2,966.56	1/4	3,329.49
1/2	74.04	1/2	435.19	1/2	798.24	1/2	1,159.62	1/2	1,521.98	1/2	1,885.05	1/2	2,248.11	1/2	2,611.17	1/2	2,974.12	1/2	3,337.06
3/4	80.81	3/4	442.76	3/4	805.80	3/4	1,167.13	3/4	1,529.55	3/4	1,892.61	3/4	2,255.67	3/4	2,618.73	3/4	2,981.68	3/4	3,344.62
3	87.59	3	450.32	3	813.37	3	1,174.65	3	1,537.11	3	1,900.17	3	2,263.24	3	2,626.30	3	2,989.24	3	3,352.18
1/4	95.07	1/4	457.88	1/4	820.93	1/4	1,182.16	1/4	1,544.67	1/4	1,907.74	1/4	2,270.80	1/4	2,633.86	1/4	2,996.81	1/4	3,359.74
1/2	102.56	1/2	465.45	1/2	828.50	1/2	1,189.67	1/2	1,552.24	1/2	1,915.30	1/2	2,278.36	1/2	2,641.43	1/2	3,004.37	1/2	3,367.30
3/4	110.04	3/4	473.01	3/4	836.06	3/4	1,197.18	3/4	1,559.80	3/4	1,922.86	3/4	2,285.93	3/4	2,648.99	3/4	3,011.93	3/4	3,374.86
4	117.53	4	480.57	4	843.62	4	1,204.70	4	1,567.37	4	1,930.43	4	2,293.49	4	2,656.56	4	3,019.49	4	3,382.42
1/4	125.09	1/4	488.14	1/4	851.19	1/4	1,212.21	1/4	1,574.93	1/4	1,937.99	1/4	2,301.05	1/4	2,664.12	1/4	3,027.05	1/4	3,389.98
1/2	132.65	1/2	495.70	1/2	858.75	1/2	1,219.72	1/2	1,582.49	1/2	1,945.56	1/2	2,308.62	1/2	2,671.68	1/2	3,034.61	1/2	3,397.54
3/4	140.22	3/4	503.26	3/4	866.31	3/4	1,227.23	3/4	1,590.06	3/4	1,953.12	3/4	2,316.18	3/4	2,679.24	3/4	3,042.17	3/4	3,405.11
5	147.78	5	510.83	5	873.88	5	1,234.74	5	1,597.62	5	1,960.68	5	2,323.75	5	2,686.80	5	3,049.73	5	3,412.67
1/4	155.34	1/4	518.39	1/4	881.44	1/4	1,242.27	1/4	1,605.19	1/4	1,968.25	1/4	2,331.31	1/4	2,694.36	1/4	3,057.29	1/4	3,420.23
1/2	162.91	1/2	525.96	1/2	889.00	1/2	1,249.79	1/2	1,612.75	1/2	1,975.81	1/2	2,338.87	1/2	2,701.92	1/2	3,064.86	1/2	3,427.79
3/4	170.47	3/4	533.52	3/4	896.57	3/4	1,257.31	3/4	1,620.31	3/4	1,983.38	3/4	2,346.44	3/4	2,709.48	3/4	3,072.42	3/4	3,435.35
6	178.03	6	541.08	6	904.13	6	1,264.83	6	1,627.88	6	1,990.94	6	2,354.00	6	2,717.05	6	3,079.98	6	3,442.91
1/4	185.60	1/4	548.65	1/4	911.66	1/4	1,272.39	1/4	1,635.44	1/4	1,998.50	1/4	2,361.57	1/4	2,724.61	1/4	3,087.54	1/4	3,450.47
1/2	193.16	1/2	556.21	1/2	919.19	1/2	1,279.95	1/2	1,643.00	1/2	2,006.07	1/2	2,369.13	1/2	2,732.17	1/2	3,095.10	1/2	3,458.03
3/4	200.72	3/4	563.77	3/4	926.72	3/4	1,287.51	3/4	1,650.57	3/4	2,013.63	3/4	2,376.69	3/4	2,739.73	3/4	3,102.66	3/4	3,465.59
7	208.29	7	571.34	7	934.25	7	1,295.07	7	1,658.13	7	2,021.19	7	2,384.26	7	2,747.29	7	3,110.22	7	3,473.16
1/4	215.85	1/4	578.90	1/4	941.77	1/4	1,302.63	1/4	1,665.70	1/4	2,028.76	1/4	2,391.82	1/4	2,754.85	1/4	3,117.78	1/4	3,480.72
1/2	223.42	1/2	586.46	1/2	949.28	1/2	1,310.20	1/2	1,673.26	1/2	2,036.32	1/2	2,399.38	1/2	2,762.41	1/2	3,125.34	1/2	3,488.28
3/4	230.98	3/4	594.03	3/4	956.79	3/4	1,317.76	3/4	1,680.82	3/4	2,043.89	3/4	2,406.95	3/4	2,769.97	3/4	3,132.91	3/4	3,495.84
8	238.54	8	601.59	8	964.31	8	1,325.32	8	1,688.39	8	2,051.45	8	2,414.51	8	2,777.53	8	3,140.47	8	3,503.40
1/4	246.11	1/4	609.15	1/4	971.82	1/4	1,332.89	1/4	1,695.95	1/4	2,059.01	1/4	2,422.08	1/4	2,785.10	1/4	3,148.03	1/4	3,510.96
1/2	253.67	1/2	616.72	1/2	979.33	1/2	1,340.45	1/2	1,703.51	1/2	2,066.58	1/2	2,429.64	1/2	2,792.66	1/2	3,155.59	1/2	3,518.52
3/4	261.23	3/4	624.28	3/4	986.84	3/4	1,348.02	3/4	1,711.08	3/4	2,074.14	3/4	2,437.20	3/4	2,800.22	3/4	3,163.15	3/4	3,526.08
9	268.80	9	631.84	9	994.36	9	1,355.58	9	1,718.64	9	2,081.70	9	2,444.77	9	2,807.78	9	3,170.71	9	3,533.64
1/4	276.36	1/4	639.41	1/4	1,001.87	1/4	1,363.14	1/4	1,726.21	1/4	2,089.27	1/4	2,452.33	1/4	2,815.34	1/4	3,178.27	1/4	3,541.21
1/2	283.92	1/2	646.97	1/2	1,009.38	1/2	1,370.71	1/2	1,733.77	1/2	2,096.83	1/2	2,459.89	1/2	2,822.90	1/2	3,185.83	1/2	3,548.77
3/4	291.49	3/4	654.53	3/4	1,016.89	3/4	1,378.27	3/4	1,741.33	3/4	2,104.40	3/4	2,467.46	3/4	2,830.46	3/4	3,193.39	3/4	3,556.33
10	299.05	10	662.10	10	1,024.40	10	1,385.83	10	1,748.90	10	2,111.96	10	2,475.02	10	2,838.02	10	3,200.96	10	3,563.89
1/4	306.61	1/4	669.66	1/4	1,031.92	1/4	1,393.40	1/4	1,756.46	1/4	2,119.52	1/4	2,482.59	1/4	2,845.58	1/4	3,208.52	1/4	3,571.45
1/2	314.18	1/2	677.23	1/2	1,039.43	1/2	1,400.96	1/2	1,764.02	1/2	2,127.09	1/2	2,490.15	1/2	2,853.15	1/2	3,216.08	1/2	3,579.01
3/4	321.74	3/4	684.79	3/4	1,046.94	3/4	1,408.53	3/4	1,771.59	3/4	2,134.65	3/4	2,497.71	3/4	2,860.71	3/4	3,223.64	3/4	3,586.57
11	329.30	11	692.35	11	1,054.45	11	1,416.09	11	1,779.15	11	2,142.21	11	2,505.28	11	2,868.27	11	3,231.20	11	3,594.13
1/4	336.87	1/4	699.92	1/4	1,061.97	1/4	1,423.65	1/4	1,786.72	1/4	2,149.78	1/4	2,512.84	1/4	2,875.83	1/4	3,238.76	1/4	3,601.69
1/2	344.43	1/2	707.48	1/2	1,069.48	1/2	1,431.22	1/2	1,794.28	1/2	2,157.34	1/2	2,520.40	1/2	2,883.39	1/2	3,246.32	1/2	3,609.26
3/4	351.99	3/4	715.04	3/4	1,076.99	3/4	1,438.78	3/4	1,801.84	3/4	2,164.91	3/4	2,527.97	3/4	2,890.95	3/4	3,253.88	3/4	3,616.82

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" DIAMETER "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 525"

1 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

HULL # C-1271

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,624.38	0	3,987.27	0	4,342.61	0	4,684.71	0	5,012.07	0		0		0		0		0	
1/4	3,631.94	1/4	3,994.80	1/4	4,349.87	1/4	4,691.69	1/4	5,018.68	1/4		1/4		1/4		1/4		1/4	
1/2	3,639.50	1/2	4,002.33	1/2	4,357.12	1/2	4,698.67	1/2	5,025.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,647.06	3/4	4,009.86	3/4	4,364.37	3/4	4,705.64	3/4	5,031.88	3/4		3/4		3/4		3/4		3/4	
1	3,654.62	1	4,017.39	1	4,371.63	1	4,712.62	1	5,038.49	1		1		1		1		1	
1/4	3,662.18	1/4	4,024.89	1/4	4,378.86	1/4	4,719.55	1/4	5,045.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,669.74	1/2	4,032.40	1/2	4,386.09	1/2	4,726.48	1/2	5,051.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,677.31	3/4	4,039.91	3/4	4,393.32	3/4	4,733.41	3/4	5,058.23	3/4		3/4		3/4		3/4		3/4	
2	3,684.87	2	4,047.41	2	4,400.55	2	4,740.34	2	5,064.81	2		2		2		2		2	
1/4	3,692.43	1/4	4,054.90	1/4	4,407.76	1/4	4,747.24	1/4	5,071.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,699.99	1/2	4,062.38	1/2	4,414.96	1/2	4,754.14	1/2	5,077.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,707.55	3/4	4,069.86	3/4	4,422.17	3/4	4,761.05	3/4	5,084.48	3/4		3/4		3/4		3/4		3/4	
3	3,715.11	3	4,077.35	3	4,429.38	3	4,767.95	3	5,091.04	3		3		3		3		3	
1/4	3,722.67	1/4	4,084.81	1/4	4,436.56	1/4	4,774.83	1/4	5,097.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,730.23	1/2	4,092.27	1/2	4,443.75	1/2	4,781.71	1/2	5,104.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,737.79	3/4	4,099.73	3/4	4,450.93	3/4	4,788.59	3/4	5,110.64	3/4		3/4		3/4		3/4		3/4	
4	3,745.35	4	4,107.19	4	4,458.12	4	4,795.47	4	5,117.17	4		4		4		4		4	
1/4	3,752.92	1/4	4,114.63	1/4	4,465.28	1/4	4,802.32	1/4	5,123.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,760.48	1/2	4,122.06	1/2	4,472.44	1/2	4,809.18	1/2	5,130.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,768.04	3/4	4,129.50	3/4	4,479.60	3/4	4,816.04	3/4	5,136.71	3/4		3/4		3/4		3/4		3/4	
5	3,775.60	5	4,136.94	5	4,486.76	5	4,822.89	5	5,143.22	5		5		5		5		5	
1/4	3,783.16	1/4	4,144.35	1/4	4,493.90	1/4	4,829.73	1/4	5,150.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,790.72	1/2	4,151.77	1/2	4,501.04	1/2	4,836.56	1/2	5,157.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,798.28	3/4	4,159.18	3/4	4,508.18	3/4	4,843.39	3/4	5,164.83	3/4		3/4		3/4		3/4		3/4	
6	3,805.84	6	4,166.60	6	4,515.32	6	4,850.23	6	5,172.04	6		6		6		6		6	
1/4	3,813.40	1/4	4,173.99	1/4	4,522.43	1/4	4,857.04	1/4	5,178.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,820.97	1/2	4,181.38	1/2	4,529.55	1/2	4,863.85	1/2	5,184.71	1/2		1/2		1/2		1/2		1/2	
3/4	3,828.53	3/4	4,188.77	3/4	4,536.66	3/4	4,870.66	3/4	5,191.05	3/4		3/4		3/4		3/4		3/4	
7	3,836.09	7	4,196.16	7	4,543.78	7	4,877.47	7	5,197.39	7		7		7		7		7	
1/4	3,843.65	1/4	4,203.53	1/4	4,550.87	1/4	4,884.26	1/4	5,202.52	1/4		1/4		1/4		1/4		1/4	
1/2	3,851.21	1/2	4,210.90	1/2	4,557.97	1/2	4,891.04	1/2	5,207.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,858.77	3/4	4,218.27	3/4	4,565.06	3/4	4,897.83	3/4	5,212.76	3/4		3/4		3/4		3/4		3/4	
8	3,866.33	8	4,225.64	8	4,572.15	8	4,904.62	8	5,217.89	8		8		8		8		8	
1/4	3,873.89	1/4	4,232.98	1/4	4,579.22	1/4	4,911.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,881.45	1/2	4,240.33	1/2	4,586.29	1/2	4,918.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,889.02	3/4	4,247.67	3/4	4,593.36	3/4	4,924.91	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,896.58	9	4,255.02	9	4,600.43	9	4,931.68	9		9		9		9		9		9	
1/4	3,904.14	1/4	4,262.34	1/4	4,607.48	1/4	4,938.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,911.70	1/2	4,269.66	1/2	4,614.52	1/2	4,945.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,919.26	3/4	4,276.99	3/4	4,621.57	3/4	4,951.91	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,926.82	10	4,284.31	10	4,628.61	10	4,958.65	10		10		10		10		10		10	
1/4	3,934.38	1/4	4,291.61	1/4	4,635.64	1/4	4,965.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,941.94	1/2	4,298.91	1/2	4,642.66	1/2	4,972.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,949.50	3/4	4,306.21	3/4	4,649.69	3/4	4,978.81	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,957.07	11	4,313.51	11	4,656.71	11	4,985.53	11		11		11		11		11		11	
1/4	3,964.62	1/4	4,320.78	1/4	4,663.71	1/4	4,992.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,972.17	1/2	4,328.06	1/2	4,670.71	1/2	4,998.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,979.72	3/4	4,335.34	3/4	4,677.71	3/4	5,005.44	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2020 CL
CALCULATED: 08/08/2020 CL
PRINTED: 08/08/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 525"

2 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

HULL # C-1271

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21.39	0	359.07	0	721.62	0	1,083.94	0	1,446.26	0	1,808.83	0	2,171.40	0	2,533.96	0	2,896.44	0	3,258.87
1/4	25.63	1/4	366.62	1/4	729.18	1/4	1,091.49	1/4	1,453.81	1/4	1,816.38	1/4	2,178.95	1/4	2,541.52	1/4	2,903.99	1/4	3,266.42
1/2	29.88	1/2	374.18	1/2	736.73	1/2	1,099.03	1/2	1,461.37	1/2	1,823.94	1/2	2,186.50	1/2	2,549.07	1/2	2,911.54	1/2	3,273.97
3/4	34.13	3/4	381.73	3/4	744.28	3/4	1,106.57	3/4	1,468.92	3/4	1,831.49	3/4	2,194.06	3/4	2,556.62	3/4	2,919.09	3/4	3,281.52
1	38.38	1	389.28	1	751.83	1	1,114.11	1	1,476.47	1	1,839.04	1	2,201.61	1	2,564.18	1	2,926.64	1	3,289.07
1/4	43.88	1/4	396.83	1/4	759.39	1/4	1,121.65	1/4	1,484.03	1/4	1,846.60	1/4	2,209.16	1/4	2,571.73	1/4	2,934.19	1/4	3,296.62
1/2	49.39	1/2	404.39	1/2	766.94	1/2	1,129.19	1/2	1,491.58	1/2	1,854.15	1/2	2,216.72	1/2	2,579.29	1/2	2,941.74	1/2	3,304.17
3/4	54.90	3/4	411.94	3/4	774.49	3/4	1,136.73	3/4	1,499.13	3/4	1,861.70	3/4	2,224.27	3/4	2,586.84	3/4	2,949.29	3/4	3,311.72
2	60.40	2	419.49	2	782.05	2	1,144.27	2	1,506.69	2	1,869.26	2	2,231.82	2	2,594.39	2	2,956.84	2	3,319.28
1/4	67.17	1/4	427.05	1/4	789.60	1/4	1,151.82	1/4	1,514.24	1/4	1,876.81	1/4	2,239.38	1/4	2,601.95	1/4	2,964.39	1/4	3,326.83
1/2	73.94	1/2	434.60	1/2	797.15	1/2	1,159.36	1/2	1,521.80	1/2	1,884.36	1/2	2,246.93	1/2	2,609.50	1/2	2,971.94	1/2	3,334.38
3/4	80.70	3/4	442.15	3/4	804.71	3/4	1,166.90	3/4	1,529.35	3/4	1,891.92	3/4	2,254.48	3/4	2,617.05	3/4	2,979.49	3/4	3,341.93
3	87.47	3	449.71	3	812.26	3	1,174.44	3	1,536.90	3	1,899.47	3	2,262.04	3	2,624.61	3	2,987.04	3	3,349.48
1/4	94.94	1/4	457.26	1/4	819.81	1/4	1,181.98	1/4	1,544.46	1/4	1,907.02	1/4	2,269.59	1/4	2,632.16	1/4	2,994.60	1/4	3,357.03
1/2	102.42	1/2	464.81	1/2	827.37	1/2	1,189.52	1/2	1,552.01	1/2	1,914.58	1/2	2,277.15	1/2	2,639.71	1/2	3,002.15	1/2	3,364.58
3/4	109.89	3/4	472.37	3/4	834.92	3/4	1,197.06	3/4	1,559.56	3/4	1,922.13	3/4	2,284.70	3/4	2,647.26	3/4	3,009.70	3/4	3,372.13
4	117.37	4	479.92	4	842.47	4	1,204.60	4	1,567.12	4	1,929.68	4	2,292.25	4	2,654.81	4	3,017.25	4	3,379.68
1/4	124.92	1/4	487.47	1/4	850.03	1/4	1,212.14	1/4	1,574.67	1/4	1,937.24	1/4	2,299.81	1/4	2,662.36	1/4	3,024.80	1/4	3,387.23
1/2	132.47	1/2	495.03	1/2	857.58	1/2	1,219.69	1/2	1,582.22	1/2	1,944.79	1/2	2,307.36	1/2	2,669.92	1/2	3,032.35	1/2	3,394.78
3/4	140.03	3/4	502.58	3/4	865.13	3/4	1,227.23	3/4	1,589.78	3/4	1,952.34	3/4	2,314.91	3/4	2,677.47	3/4	3,039.90	3/4	3,402.33
5	147.58	5	510.13	5	872.69	5	1,234.77	5	1,597.33	5	1,959.90	5	2,322.47	5	2,685.02	5	3,047.45	5	3,409.88
1/4	155.13	1/4	517.69	1/4	880.24	1/4	1,242.32	1/4	1,604.88	1/4	1,967.45	1/4	2,330.02	1/4	2,692.57	1/4	3,055.00	1/4	3,417.43
1/2	162.69	1/2	525.24	1/2	887.79	1/2	1,249.87	1/2	1,612.44	1/2	1,975.01	1/2	2,337.57	1/2	2,700.12	1/2	3,062.55	1/2	3,424.99
3/4	170.24	3/4	532.79	3/4	895.35	3/4	1,257.42	3/4	1,619.99	3/4	1,982.56	3/4	2,345.13	3/4	2,707.67	3/4	3,070.10	3/4	3,432.54
6	177.79	6	540.35	6	902.90	6	1,264.98	6	1,627.54	6	1,990.11	6	2,352.68	6	2,715.22	6	3,077.65	6	3,440.09
1/4	185.35	1/4	547.90	1/4	910.45	1/4	1,272.53	1/4	1,635.10	1/4	1,997.67	1/4	2,360.23	1/4	2,722.77	1/4	3,085.20	1/4	3,447.64
1/2	192.90	1/2	555.45	1/2	918.01	1/2	1,280.08	1/2	1,642.65	1/2	2,005.22	1/2	2,367.79	1/2	2,730.32	1/2	3,092.75	1/2	3,455.19
3/4	200.45	3/4	563.01	3/4	925.56	3/4	1,287.64	3/4	1,650.20	3/4	2,012.77	3/4	2,375.34	3/4	2,737.87	3/4	3,100.31	3/4	3,462.74
7	208.00	7	570.56	7	933.11	7	1,295.19	7	1,657.76	7	2,020.33	7	2,382.89	7	2,745.42	7	3,107.86	7	3,470.29
1/4	215.56	1/4	578.11	1/4	940.66	1/4	1,302.74	1/4	1,665.31	1/4	2,027.88	1/4	2,390.45	1/4	2,752.97	1/4	3,115.41	1/4	3,477.84
1/2	223.11	1/2	585.66	1/2	948.20	1/2	1,310.30	1/2	1,672.87	1/2	2,035.43	1/2	2,398.00	1/2	2,760.52	1/2	3,122.96	1/2	3,485.39
3/4	230.66	3/4	593.22	3/4	955.74	3/4	1,317.85	3/4	1,680.42	3/4	2,042.99	3/4	2,405.55	3/4	2,768.07	3/4	3,130.51	3/4	3,492.94
8	238.22	8	600.77	8	963.28	8	1,325.40	8	1,687.97	8	2,050.54	8	2,413.11	8	2,775.62	8	3,138.06	8	3,500.49
1/4	245.77	1/4	608.32	1/4	970.83	1/4	1,332.96	1/4	1,695.53	1/4	2,058.09	1/4	2,420.66	1/4	2,783.18	1/4	3,145.61	1/4	3,508.04
1/2	253.32	1/2	615.88	1/2	978.37	1/2	1,340.51	1/2	1,703.08	1/2	2,065.65	1/2	2,428.22	1/2	2,790.73	1/2	3,153.16	1/2	3,515.59
3/4	260.88	3/4	623.43	3/4	985.91	3/4	1,348.06	3/4	1,710.63	3/4	2,073.20	3/4	2,435.77	3/4	2,798.28	3/4	3,160.71	3/4	3,523.14
9	268.43	9	630.98	9	993.45	9	1,355.62	9	1,718.19	9	2,080.75	9	2,443.32	9	2,805.83	9	3,168.26	9	3,530.69
1/4	275.98	1/4	638.54	1/4	1,000.99	1/4	1,363.17	1/4	1,725.74	1/4	2,088.31	1/4	2,450.88	1/4	2,813.38	1/4	3,175.81	1/4	3,538.25
1/2	283.54	1/2	646.09	1/2	1,008.53	1/2	1,370.73	1/2	1,733.29	1/2	2,095.86	1/2	2,458.43	1/2	2,820.93	1/2	3,183.36	1/2	3,545.80
3/4	291.09	3/4	653.64	3/4	1,016.07	3/4	1,378.28	3/4	1,740.85	3/4	2,103.41	3/4	2,465.98	3/4	2,828.48	3/4	3,190.91	3/4	3,553.35
10	298.64	10	661.20	10	1,023.61	10	1,385.83	10	1,748.40	10	2,110.97	10	2,473.54	10	2,836.03	10	3,198.46	10	3,560.90
1/4	306.20	1/4	668.75	1/4	1,031.16	1/4	1,393.39	1/4	1,755.95	1/4	2,118.52	1/4	2,481.09	1/4	2,843.58	1/4	3,206.01	1/4	3,568.45
1/2	313.75	1/2	676.30	1/2	1,038.70	1/2	1,400.94	1/2	1,763.51	1/2	2,126.08	1/2	2,488.64	1/2	2,851.13	1/2	3,213.57	1/2	3,576.00
3/4	321.30	3/4	683.86	3/4	1,046.24	3/4	1,408.49	3/4	1,771.06	3/4	2,133.63	3/4	2,496.20	3/4	2,858.68	3/4	3,221.12	3/4	3,583.55
11	328.86	11	691.41	11	1,053.78	11	1,416.05	11	1,778.61	11	2,141.18	11	2,503.75	11	2,866.23	11	3,228.67	11	3,591.10
1/4	336.41	1/4	698.96	1/4	1,061.32	1/4	1,423.60	1/4	1,786.17	1/4	2,148.74	1/4	2,511.30	1/4	2,873.78	1/4	3,236.22	1/4	3,598.65
1/2	343.96	1/2	706.52	1/2	1,068.86	1/2	1,431.15	1/2	1,793.72	1/2	2,156.29	1/2	2,518.86	1/2	2,881.33	1/2	3,243.77	1/2	3,606.20
3/4	351.52	3/4	714.07	3/4	1,076.40	3/4	1,438.71	3/4	1,801.27	3/4	2,163.84	3/4	2,526.41	3/4	2,888.89	3/4	3,251.32	3/4	3,613.75

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" DIAMETER "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 525"

2 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

HULL # C-1271

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,621.30	0	3,983.70	0	4,338.54	0	4,680.11	0	5,006.92	0		0		0		0		0	
1/4	3,628.85	1/4	3,991.22	1/4	4,345.78	1/4	4,687.07	1/4	5,013.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,636.40	1/2	3,998.74	1/2	4,353.02	1/2	4,694.04	1/2	5,020.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,643.96	3/4	4,006.26	3/4	4,360.27	3/4	4,701.01	3/4	5,026.69	3/4		3/4		3/4		3/4		3/4	
1	3,651.51	1	4,013.78	1	4,367.51	1	4,707.97	1	5,033.29	1		1		1		1		1	
1/4	3,659.06	1/4	4,021.28	1/4	4,374.73	1/4	4,714.89	1/4	5,039.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,666.61	1/2	4,028.77	1/2	4,381.95	1/2	4,721.81	1/2	5,046.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,674.16	3/4	4,036.27	3/4	4,389.17	3/4	4,728.73	3/4	5,052.99	3/4		3/4		3/4		3/4		3/4	
2	3,681.71	2	4,043.76	2	4,396.39	2	4,735.64	2	5,059.56	2		2		2		2		2	
1/4	3,689.26	1/4	4,051.24	1/4	4,403.58	1/4	4,742.54	1/4	5,066.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,696.81	1/2	4,058.71	1/2	4,410.78	1/2	4,749.43	1/2	5,072.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,704.36	3/4	4,066.18	3/4	4,417.98	3/4	4,756.32	3/4	5,079.20	3/4		3/4		3/4		3/4		3/4	
3	3,711.91	3	4,073.66	3	4,425.17	3	4,763.21	3	5,085.74	3		3		3		3		3	
1/4	3,719.46	1/4	4,081.11	1/4	4,432.35	1/4	4,770.08	1/4	5,092.26	1/4		1/4		1/4		1/4		1/4	
1/2	3,727.01	1/2	4,088.56	1/2	4,439.52	1/2	4,776.95	1/2	5,098.79	1/2		1/2		1/2		1/2		1/2	
3/4	3,734.56	3/4	4,096.01	3/4	4,446.70	3/4	4,783.81	3/4	5,105.31	3/4		3/4		3/4		3/4		3/4	
4	3,742.11	4	4,103.46	4	4,453.87	4	4,790.68	4	5,111.83	4		4		4		4		4	
1/4	3,749.67	1/4	4,110.88	1/4	4,461.02	1/4	4,797.53	1/4	5,118.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,757.22	1/2	4,118.31	1/2	4,468.17	1/2	4,804.37	1/2	5,124.83	1/2		1/2		1/2		1/2		1/2	
3/4	3,764.77	3/4	4,125.74	3/4	4,475.32	3/4	4,811.22	3/4	5,131.33	3/4		3/4		3/4		3/4		3/4	
5	3,772.32	5	4,133.16	5	4,482.47	5	4,818.06	5	5,137.83	5		5		5		5		5	
1/4	3,779.87	1/4	4,140.57	1/4	4,489.60	1/4	4,824.88	1/4	5,145.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,787.42	1/2	4,147.97	1/2	4,496.73	1/2	4,831.71	1/2	5,152.22	1/2		1/2		1/2		1/2		1/2	
3/4	3,794.97	3/4	4,155.38	3/4	4,503.85	3/4	4,838.53	3/4	5,159.41	3/4		3/4		3/4		3/4		3/4	
6	3,802.52	6	4,162.78	6	4,510.98	6	4,845.35	6	5,166.61	6		6		6		6		6	
1/4	3,810.07	1/4	4,170.16	1/4	4,518.09	1/4	4,852.15	1/4	5,172.94	1/4		1/4		1/4		1/4		1/4	
1/2	3,817.62	1/2	4,177.54	1/2	4,525.19	1/2	4,858.95	1/2	5,179.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,825.17	3/4	4,184.92	3/4	4,532.30	3/4	4,865.75	3/4	5,185.60	3/4		3/4		3/4		3/4		3/4	
7	3,832.72	7	4,192.30	7	4,539.40	7	4,872.55	7	5,191.93	7		7		7		7		7	
1/4	3,840.27	1/4	4,199.66	1/4	4,546.48	1/4	4,879.32	1/4	5,197.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,847.82	1/2	4,207.02	1/2	4,553.56	1/2	4,886.10	1/2	5,202.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,855.38	3/4	4,214.38	3/4	4,560.64	3/4	4,892.87	3/4	5,207.28	3/4		3/4		3/4		3/4		3/4	
8	3,862.93	8	4,221.73	8	4,567.73	8	4,899.65	8	5,212.39	8		8		8		8		8	
1/4	3,870.48	1/4	4,229.07	1/4	4,574.78	1/4	4,906.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,878.03	1/2	4,236.40	1/2	4,581.84	1/2	4,913.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,885.58	3/4	4,243.74	3/4	4,588.90	3/4	4,919.91	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,893.13	9	4,251.07	9	4,595.96	9	4,926.66	9		9		9		9		9		9	
1/4	3,900.68	1/4	4,258.39	1/4	4,603.00	1/4	4,933.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,908.23	1/2	4,265.70	1/2	4,610.03	1/2	4,940.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,915.78	3/4	4,273.01	3/4	4,617.07	3/4	4,946.86	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,923.33	10	4,280.32	10	4,624.10	10	4,953.59	10		10		10		10		10		10	
1/4	3,930.88	1/4	4,287.61	1/4	4,631.11	1/4	4,960.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,938.43	1/2	4,294.90	1/2	4,638.13	1/2	4,967.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,945.98	3/4	4,302.19	3/4	4,645.14	3/4	4,973.72	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,953.53	11	4,309.48	11	4,652.15	11	4,980.43	11		11		11		11		11		11	
1/4	3,961.08	1/4	4,316.74	1/4	4,659.14	1/4	4,987.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,968.62	1/2	4,324.01	1/2	4,666.13	1/2	4,993.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,976.16	3/4	4,331.27	3/4	4,673.12	3/4	5,000.30	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2020 CL
CALCULATED: 08/08/2020 CL
PRINTED: 08/08/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 525"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

HULL # C-1271

GAUGE HEIGHT 15'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21.38	0	358.98	0	721.45	0	1,075.88	0	1,429.97	0	1,792.45	0	2,154.92	0	2,517.40	0	2,879.80	0	3,242.14
1/4	25.63	1/4	366.53	1/4	729.00	1/4	1,083.09	1/4	1,437.52	1/4	1,800.00	1/4	2,162.47	1/4	2,524.95	1/4	2,887.35	1/4	3,249.69
1/2	29.87	1/2	374.09	1/2	736.55	1/2	1,090.29	1/2	1,445.07	1/2	1,807.55	1/2	2,170.03	1/2	2,532.50	1/2	2,894.89	1/2	3,257.24
3/4	34.12	3/4	381.64	3/4	744.10	3/4	1,097.50	3/4	1,452.62	3/4	1,815.10	3/4	2,177.58	3/4	2,540.05	3/4	2,902.44	3/4	3,264.79
1	38.37	1	389.19	1	751.66	1	1,104.71	1	1,460.17	1	1,822.65	1	2,185.13	1	2,547.61	1	2,909.99	1	3,272.34
1/4	43.87	1/4	396.74	1/4	759.21	1/4	1,111.91	1/4	1,467.73	1/4	1,830.20	1/4	2,192.68	1/4	2,555.16	1/4	2,917.54	1/4	3,279.89
1/2	49.38	1/2	404.29	1/2	766.76	1/2	1,119.12	1/2	1,475.28	1/2	1,837.75	1/2	2,200.23	1/2	2,562.71	1/2	2,925.09	1/2	3,287.44
3/4	54.88	3/4	411.84	3/4	774.31	3/4	1,126.33	3/4	1,482.83	3/4	1,845.31	3/4	2,207.78	3/4	2,570.26	3/4	2,932.64	3/4	3,294.99
2	60.39	2	419.39	2	781.86	2	1,133.54	2	1,490.38	2	1,852.86	2	2,215.33	2	2,577.81	2	2,940.19	2	3,302.53
1/4	67.15	1/4	426.95	1/4	789.41	1/4	1,140.74	1/4	1,497.93	1/4	1,860.41	1/4	2,222.89	1/4	2,585.36	1/4	2,947.74	1/4	3,310.08
1/2	73.92	1/2	434.50	1/2	796.96	1/2	1,147.95	1/2	1,505.48	1/2	1,867.96	1/2	2,230.44	1/2	2,592.91	1/2	2,955.29	1/2	3,317.63
3/4	80.68	3/4	442.05	3/4	804.52	3/4	1,155.16	3/4	1,513.04	3/4	1,875.51	3/4	2,237.99	3/4	2,600.47	3/4	2,962.83	3/4	3,325.18
3	87.45	3	449.60	3	812.07	3	1,162.37	3	1,520.59	3	1,883.06	3	2,245.54	3	2,608.02	3	2,970.38	3	3,332.73
1/4	94.92	1/4	457.15	1/4	819.62	1/4	1,169.57	1/4	1,528.14	1/4	1,890.62	1/4	2,253.09	1/4	2,615.57	1/4	2,977.93	1/4	3,340.28
1/2	102.39	1/2	464.70	1/2	827.17	1/2	1,176.78	1/2	1,535.69	1/2	1,898.17	1/2	2,260.64	1/2	2,623.12	1/2	2,985.48	1/2	3,347.83
3/4	109.87	3/4	472.25	3/4	834.72	3/4	1,183.99	3/4	1,543.24	3/4	1,905.72	3/4	2,268.20	3/4	2,630.68	3/4	2,993.03	3/4	3,355.38
4	117.34	4	479.81	4	842.27	4	1,191.19	4	1,550.79	4	1,913.27	4	2,275.75	4	2,638.23	4	3,000.58	4	3,362.93
1/4	124.89	1/4	487.36	1/4	849.82	1/4	1,198.40	1/4	1,558.35	1/4	1,920.82	1/4	2,283.30	1/4	2,645.78	1/4	3,008.13	1/4	3,370.47
1/2	132.44	1/2	494.91	1/2	857.38	1/2	1,205.61	1/2	1,565.90	1/2	1,928.37	1/2	2,290.85	1/2	2,653.33	1/2	3,015.68	1/2	3,378.02
3/4	139.99	3/4	502.46	3/4	864.93	3/4	1,212.82	3/4	1,573.45	3/4	1,935.93	3/4	2,298.40	3/4	2,660.88	3/4	3,023.23	3/4	3,385.57
5	147.54	5	510.01	5	872.48	5	1,220.02	5	1,581.00	5	1,943.48	5	2,305.95	5	2,668.43	5	3,030.77	5	3,393.12
1/4	155.10	1/4	517.56	1/4	880.03	1/4	1,227.24	1/4	1,588.55	1/4	1,951.03	1/4	2,313.51	1/4	2,675.98	1/4	3,038.32	1/4	3,400.67
1/2	162.65	1/2	525.11	1/2	887.58	1/2	1,234.46	1/2	1,596.10	1/2	1,958.58	1/2	2,321.06	1/2	2,683.52	1/2	3,045.87	1/2	3,408.22
3/4	170.20	3/4	532.67	3/4	895.13	3/4	1,241.68	3/4	1,603.66	3/4	1,966.13	3/4	2,328.61	3/4	2,691.07	3/4	3,053.42	3/4	3,415.77
6	177.75	6	540.22	6	902.68	6	1,248.90	6	1,611.21	6	1,973.68	6	2,336.16	6	2,698.62	6	3,060.97	6	3,423.32
1/4	185.30	1/4	547.77	1/4	909.94	1/4	1,256.41	1/4	1,618.76	1/4	1,981.24	1/4	2,343.71	1/4	2,706.17	1/4	3,068.52	1/4	3,430.87
1/2	192.85	1/2	555.32	1/2	917.21	1/2	1,263.92	1/2	1,626.31	1/2	1,988.79	1/2	2,351.26	1/2	2,713.72	1/2	3,076.07	1/2	3,438.41
3/4	200.40	3/4	562.87	3/4	924.47	3/4	1,271.43	3/4	1,633.86	3/4	1,996.34	3/4	2,358.82	3/4	2,721.27	3/4	3,083.62	3/4	3,445.96
7	207.96	7	570.42	7	931.73	7	1,278.94	7	1,641.41	7	2,003.89	7	2,366.37	7	2,728.82	7	3,091.17	7	3,453.51
1/4	215.51	1/4	577.97	1/4	938.93	1/4	1,286.49	1/4	1,648.96	1/4	2,011.44	1/4	2,373.92	1/4	2,736.37	1/4	3,098.71	1/4	3,461.06
1/2	223.06	1/2	585.53	1/2	946.14	1/2	1,294.04	1/2	1,656.52	1/2	2,018.99	1/2	2,381.47	1/2	2,743.92	1/2	3,106.26	1/2	3,468.61
3/4	230.61	3/4	593.08	3/4	953.35	3/4	1,301.59	3/4	1,664.07	3/4	2,026.54	3/4	2,389.02	3/4	2,751.46	3/4	3,113.81	3/4	3,476.16
8	238.16	8	600.63	8	960.56	8	1,309.14	8	1,671.62	8	2,034.10	8	2,396.57	8	2,759.01	8	3,121.36	8	3,483.71
1/4	245.71	1/4	608.18	1/4	967.77	1/4	1,316.69	1/4	1,679.17	1/4	2,041.65	1/4	2,404.12	1/4	2,766.56	1/4	3,128.91	1/4	3,491.26
1/2	253.26	1/2	615.73	1/2	974.98	1/2	1,324.25	1/2	1,686.72	1/2	2,049.20	1/2	2,411.68	1/2	2,774.11	1/2	3,136.46	1/2	3,498.81
3/4	260.81	3/4	623.28	3/4	982.18	3/4	1,331.80	3/4	1,694.27	3/4	2,056.75	3/4	2,419.23	3/4	2,781.66	3/4	3,144.01	3/4	3,506.35
9	268.37	9	630.83	9	989.39	9	1,339.35	9	1,701.83	9	2,064.30	9	2,426.78	9	2,789.21	9	3,151.56	9	3,513.90
1/4	275.92	1/4	638.38	1/4	996.60	1/4	1,346.90	1/4	1,709.38	1/4	2,071.85	1/4	2,434.33	1/4	2,796.76	1/4	3,159.11	1/4	3,521.45
1/2	283.47	1/2	645.94	1/2	1,003.80	1/2	1,354.45	1/2	1,716.93	1/2	2,079.41	1/2	2,441.88	1/2	2,804.31	1/2	3,166.65	1/2	3,529.00
3/4	291.02	3/4	653.49	3/4	1,011.01	3/4	1,362.00	3/4	1,724.48	3/4	2,086.96	3/4	2,449.43	3/4	2,811.86	3/4	3,174.20	3/4	3,536.55
10	298.57	10	661.04	10	1,018.22	10	1,369.56	10	1,732.03	10	2,094.51	10	2,456.99	10	2,819.41	10	3,181.75	10	3,544.10
1/4	306.12	1/4	668.59	1/4	1,025.43	1/4	1,377.11	1/4	1,739.58	1/4	2,102.06	1/4	2,464.54	1/4	2,826.95	1/4	3,189.30	1/4	3,551.65
1/2	313.67	1/2	676.14	1/2	1,032.63	1/2	1,384.66	1/2	1,747.14	1/2	2,109.61	1/2	2,472.09	1/2	2,834.50	1/2	3,196.85	1/2	3,559.20
3/4	321.23	3/4	683.69	3/4	1,039.84	3/4	1,392.21	3/4	1,754.69	3/4	2,117.16	3/4	2,479.64	3/4	2,842.05	3/4	3,204.40	3/4	3,566.75
11	328.78	11	691.24	11	1,047.05	11	1,399.76	11	1,762.24	11	2,124.72	11	2,487.19	11	2,849.60	11	3,211.95	11	3,574.30
1/4	336.33	1/4	698.80	1/4	1,054.26	1/4	1,407.31	1/4	1,769.79	1/4	2,132.27	1/4	2,494.74	1/4	2,857.15	1/4	3,219.50	1/4	3,581.84
1/2	343.88	1/2	706.35	1/2	1,061.46	1/2	1,414.87	1/2	1,777.34	1/2	2,139.82	1/2	2,502.30	1/2	2,864.70	1/2	3,227.05	1/2	3,589.39
3/4	351.43	3/4	713.90	3/4	1,068.67	3/4	1,422.42	3/4	1,784.89	3/4	2,147.37	3/4	2,509.85	3/4	2,872.25	3/4	3,234.59	3/4	3,596.94

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" DIAMETER "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 525"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

HULL # C-1271

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,604.49	0	3,966.80	0	4,321.55	0	4,663.03	0	4,989.75	0		0		0		0		0	
1/4	3,612.04	1/4	3,974.32	1/4	4,328.79	1/4	4,669.99	1/4	4,996.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,619.59	1/2	3,981.83	1/2	4,336.03	1/2	4,676.95	1/2	5,002.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,627.14	3/4	3,989.35	3/4	4,343.27	3/4	4,683.92	3/4	5,009.51	3/4		3/4		3/4		3/4		3/4	
1	3,634.69	1	3,996.87	1	4,350.51	1	4,690.88	1	5,016.10	1		1		1		1		1	
1/4	3,642.24	1/4	4,004.36	1/4	4,357.73	1/4	4,697.80	1/4	5,022.67	1/4		1/4		1/4		1/4		1/4	
1/2	3,649.78	1/2	4,011.86	1/2	4,364.95	1/2	4,704.72	1/2	5,029.24	1/2		1/2		1/2		1/2		1/2	
3/4	3,657.33	3/4	4,019.35	3/4	4,372.16	3/4	4,711.63	3/4	5,035.80	3/4		3/4		3/4		3/4		3/4	
2	3,664.88	2	4,026.84	2	4,379.38	2	4,718.55	2	5,042.37	2		2		2		2		2	
1/4	3,672.43	1/4	4,034.32	1/4	4,386.58	1/4	4,725.44	1/4	5,048.91	1/4		1/4		1/4		1/4		1/4	
1/2	3,679.98	1/2	4,041.79	1/2	4,393.77	1/2	4,732.33	1/2	5,055.46	1/2		1/2		1/2		1/2		1/2	
3/4	3,687.53	3/4	4,049.26	3/4	4,400.96	3/4	4,739.21	3/4	5,062.00	3/4		3/4		3/4		3/4		3/4	
3	3,695.08	3	4,056.73	3	4,408.16	3	4,746.10	3	5,068.54	3		3		3		3		3	
1/4	3,702.63	1/4	4,064.18	1/4	4,415.33	1/4	4,752.97	1/4	5,075.06	1/4		1/4		1/4		1/4		1/4	
1/2	3,710.18	1/2	4,071.63	1/2	4,422.50	1/2	4,759.84	1/2	5,081.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,717.72	3/4	4,079.07	3/4	4,429.67	3/4	4,766.70	3/4	5,088.10	3/4		3/4		3/4		3/4		3/4	
4	3,725.27	4	4,086.52	4	4,436.85	4	4,773.57	4	5,094.62	4		4		4		4		4	
1/4	3,732.82	1/4	4,093.95	1/4	4,444.00	1/4	4,780.41	1/4	5,101.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,740.37	1/2	4,101.37	1/2	4,451.14	1/2	4,787.25	1/2	5,107.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,747.92	3/4	4,108.80	3/4	4,458.29	3/4	4,794.10	3/4	5,114.12	3/4		3/4		3/4		3/4		3/4	
5	3,755.47	5	4,116.22	5	4,465.44	5	4,800.94	5	5,120.61	5		5		5		5		5	
1/4	3,763.02	1/4	4,123.62	1/4	4,472.57	1/4	4,807.76	1/4	5,127.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,770.57	1/2	4,131.03	1/2	4,479.69	1/2	4,814.58	1/2	5,135.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,778.12	3/4	4,138.43	3/4	4,486.82	3/4	4,821.40	3/4	5,142.20	3/4		3/4		3/4		3/4		3/4	
6	3,785.66	6	4,145.83	6	4,493.94	6	4,828.22	6	5,149.39	6		6		6		6		6	
1/4	3,793.21	1/4	4,153.21	1/4	4,501.05	1/4	4,835.02	1/4	5,155.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,800.76	1/2	4,160.59	1/2	4,508.15	1/2	4,841.82	1/2	5,162.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,808.31	3/4	4,167.97	3/4	4,515.25	3/4	4,848.61	3/4	5,168.38	3/4		3/4		3/4		3/4		3/4	
7	3,815.86	7	4,175.35	7	4,522.36	7	4,855.41	7	5,174.71	7		7		7		7		7	
1/4	3,823.41	1/4	4,182.70	1/4	4,529.43	1/4	4,862.18	1/4	5,179.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,830.96	1/2	4,190.06	1/2	4,536.51	1/2	4,868.96	1/2	5,184.94	1/2		1/2		1/2		1/2		1/2	
3/4	3,838.51	3/4	4,197.42	3/4	4,543.59	3/4	4,875.73	3/4	5,190.05	3/4		3/4		3/4		3/4		3/4	
8	3,846.06	8	4,204.77	8	4,550.67	8	4,882.51	8	5,195.17	8		8		8		8		8	
1/4	3,853.60	1/4	4,212.10	1/4	4,557.73	1/4	4,889.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,861.15	1/2	4,219.44	1/2	4,564.79	1/2	4,896.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,868.70	3/4	4,226.77	3/4	4,571.84	3/4	4,902.76	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,876.25	9	4,234.10	9	4,578.90	9	4,909.51	9		9		9		9		9		9	
1/4	3,883.80	1/4	4,241.41	1/4	4,585.93	1/4	4,916.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,891.35	1/2	4,248.72	1/2	4,592.97	1/2	4,922.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,898.90	3/4	4,256.03	3/4	4,600.00	3/4	4,929.70	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,906.45	10	4,263.34	10	4,607.03	10	4,936.43	10		10		10		10		10		10	
1/4	3,914.00	1/4	4,270.63	1/4	4,614.04	1/4	4,943.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,921.54	1/2	4,277.92	1/2	4,621.05	1/2	4,949.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,929.09	3/4	4,285.20	3/4	4,628.07	3/4	4,956.55	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,936.64	11	4,292.49	11	4,635.08	11	4,963.26	11		11		11		11		11		11	
1/4	3,944.18	1/4	4,299.75	1/4	4,642.06	1/4	4,969.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,951.72	1/2	4,307.02	1/2	4,649.05	1/2	4,976.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,959.26	3/4	4,314.28	3/4	4,656.04	3/4	4,983.12	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2020 CL
CALCULATED: 08/08/2020 CL
PRINTED: 08/08/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 525"

3 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

HULL # C-1271

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21.28	0	357.18	0	717.83	0	1,078.28	0	1,438.77	0	1,799.43	0	2,160.07	0	2,520.64	0	2,881.03	0	3,240.53
1/4	25.50	1/4	364.70	1/4	725.34	1/4	1,085.78	1/4	1,446.28	1/4	1,806.94	1/4	2,167.58	1/4	2,528.15	1/4	2,888.53	1/4	3,247.99
1/2	29.73	1/2	372.21	1/2	732.85	1/2	1,093.28	1/2	1,453.80	1/2	1,814.45	1/2	2,175.09	1/2	2,535.67	1/2	2,896.02	1/2	3,255.46
3/4	33.95	3/4	379.72	3/4	740.37	3/4	1,100.79	3/4	1,461.31	3/4	1,821.97	3/4	2,182.60	3/4	2,543.18	3/4	2,903.52	3/4	3,262.92
1	38.18	1	387.24	1	747.88	1	1,108.29	1	1,468.82	1	1,829.48	1	2,190.11	1	2,550.69	1	2,911.02	1	3,270.38
1/4	43.66	1/4	394.75	1/4	755.39	1/4	1,115.80	1/4	1,476.34	1/4	1,836.99	1/4	2,197.63	1/4	2,558.20	1/4	2,918.52	1/4	3,277.85
1/2	49.13	1/2	402.26	1/2	762.91	1/2	1,123.30	1/2	1,483.85	1/2	1,844.51	1/2	2,205.14	1/2	2,565.71	1/2	2,926.01	1/2	3,285.31
3/4	54.61	3/4	409.78	3/4	770.42	3/4	1,130.81	3/4	1,491.36	3/4	1,852.02	3/4	2,212.65	3/4	2,573.23	3/4	2,933.51	3/4	3,292.77
2	60.09	2	417.29	2	777.93	2	1,138.31	2	1,498.88	2	1,859.53	2	2,220.16	2	2,580.74	2	2,941.01	2	3,300.24
1/4	66.82	1/4	424.80	1/4	785.45	1/4	1,145.81	1/4	1,506.39	1/4	1,867.05	1/4	2,227.67	1/4	2,588.25	1/4	2,948.51	1/4	3,307.70
1/2	73.55	1/2	432.32	1/2	792.96	1/2	1,153.32	1/2	1,513.90	1/2	1,874.56	1/2	2,235.19	1/2	2,595.76	1/2	2,956.01	1/2	3,315.16
3/4	80.28	3/4	439.83	3/4	800.47	3/4	1,160.82	3/4	1,521.42	3/4	1,882.08	3/4	2,242.70	3/4	2,603.27	3/4	2,963.50	3/4	3,322.63
3	87.01	3	447.34	3	807.99	3	1,168.33	3	1,528.93	3	1,889.59	3	2,250.21	3	2,610.79	3	2,971.00	3	3,330.09
1/4	94.45	1/4	454.86	1/4	815.50	1/4	1,175.83	1/4	1,536.45	1/4	1,897.10	1/4	2,257.72	1/4	2,618.30	1/4	2,978.50	1/4	3,337.57
1/2	101.88	1/2	462.37	1/2	823.01	1/2	1,183.34	1/2	1,543.96	1/2	1,904.62	1/2	2,265.23	1/2	2,625.81	1/2	2,986.00	1/2	3,345.05
3/4	109.32	3/4	469.88	3/4	830.53	3/4	1,190.84	3/4	1,551.47	3/4	1,912.13	3/4	2,272.75	3/4	2,633.32	3/4	2,993.50	3/4	3,352.52
4	116.75	4	477.40	4	838.04	4	1,198.34	4	1,558.99	4	1,919.64	4	2,280.26	4	2,640.83	4	3,000.99	4	3,360.00
1/4	124.27	1/4	484.91	1/4	845.55	1/4	1,205.85	1/4	1,566.50	1/4	1,927.16	1/4	2,287.77	1/4	2,648.34	1/4	3,008.49	1/4	3,367.48
1/2	131.78	1/2	492.42	1/2	853.07	1/2	1,213.36	1/2	1,574.01	1/2	1,934.67	1/2	2,295.28	1/2	2,655.85	1/2	3,015.99	1/2	3,374.96
3/4	139.29	3/4	499.94	3/4	860.58	3/4	1,220.88	3/4	1,581.53	3/4	1,942.19	3/4	2,302.79	3/4	2,663.36	3/4	3,023.49	3/4	3,382.44
5	146.81	5	507.45	5	868.09	5	1,228.39	5	1,589.04	5	1,949.70	5	2,310.31	5	2,670.87	5	3,030.98	5	3,389.92
1/4	154.32	1/4	514.96	1/4	875.61	1/4	1,235.90	1/4	1,596.56	1/4	1,957.21	1/4	2,317.82	1/4	2,678.38	1/4	3,038.48	1/4	3,397.40
1/2	161.83	1/2	522.48	1/2	883.12	1/2	1,243.41	1/2	1,604.07	1/2	1,964.73	1/2	2,325.33	1/2	2,685.89	1/2	3,045.98	1/2	3,404.88
3/4	169.35	3/4	529.99	3/4	890.63	3/4	1,250.93	3/4	1,611.58	3/4	1,972.24	3/4	2,332.84	3/4	2,693.40	3/4	3,053.48	3/4	3,412.35
6	176.86	6	537.50	6	898.15	6	1,258.44	6	1,619.10	6	1,979.75	6	2,340.35	6	2,700.91	6	3,060.98	6	3,419.83
1/4	184.37	1/4	545.02	1/4	905.66	1/4	1,265.95	1/4	1,626.61	1/4	1,987.27	1/4	2,347.87	1/4	2,708.42	1/4	3,068.47	1/4	3,427.31
1/2	191.89	1/2	552.53	1/2	913.17	1/2	1,273.47	1/2	1,634.12	1/2	1,994.78	1/2	2,355.38	1/2	2,715.93	1/2	3,075.97	1/2	3,434.79
3/4	199.40	3/4	560.04	3/4	920.68	3/4	1,280.98	3/4	1,641.64	3/4	2,002.30	3/4	2,362.89	3/4	2,723.44	3/4	3,083.47	3/4	3,442.27
7	206.91	7	567.56	7	928.19	7	1,288.49	7	1,649.15	7	2,009.81	7	2,370.40	7	2,730.96	7	3,090.97	7	3,449.75
1/4	214.43	1/4	575.07	1/4	935.69	1/4	1,296.01	1/4	1,656.66	1/4	2,017.32	1/4	2,377.91	1/4	2,738.47	1/4	3,098.46	1/4	3,457.23
1/2	221.94	1/2	582.58	1/2	943.20	1/2	1,303.52	1/2	1,664.18	1/2	2,024.84	1/2	2,385.43	1/2	2,745.98	1/2	3,105.96	1/2	3,464.71
3/4	229.45	3/4	590.10	3/4	950.70	3/4	1,311.03	3/4	1,671.69	3/4	2,032.35	3/4	2,392.94	3/4	2,753.49	3/4	3,113.46	3/4	3,472.19
8	236.97	8	597.61	8	958.21	8	1,318.55	8	1,679.21	8	2,039.86	8	2,400.45	8	2,761.00	8	3,120.96	8	3,479.67
1/4	244.48	1/4	605.12	1/4	965.71	1/4	1,326.06	1/4	1,686.72	1/4	2,047.38	1/4	2,407.96	1/4	2,768.51	1/4	3,128.46	1/4	3,487.15
1/2	251.99	1/2	612.64	1/2	973.22	1/2	1,333.58	1/2	1,694.23	1/2	2,054.89	1/2	2,415.47	1/2	2,776.02	1/2	3,135.95	1/2	3,494.62
3/4	259.51	3/4	620.15	3/4	980.72	3/4	1,341.09	3/4	1,701.75	3/4	2,062.41	3/4	2,422.99	3/4	2,783.53	3/4	3,143.45	3/4	3,502.10
9	267.02	9	627.66	9	988.22	9	1,348.60	9	1,709.26	9	2,069.92	9	2,430.50	9	2,791.05	9	3,150.95	9	3,509.58
1/4	274.53	1/4	635.18	1/4	995.73	1/4	1,356.12	1/4	1,716.77	1/4	2,077.43	1/4	2,438.01	1/4	2,798.55	1/4	3,158.42	1/4	3,514.06
1/2	282.05	1/2	642.69	1/2	1,003.23	1/2	1,363.63	1/2	1,724.29	1/2	2,084.95	1/2	2,445.52	1/2	2,806.05	1/2	3,165.89	1/2	3,518.53
3/4	289.56	3/4	650.20	3/4	1,010.74	3/4	1,371.14	3/4	1,731.80	3/4	2,092.46	3/4	2,453.03	3/4	2,813.55	3/4	3,173.35	3/4	3,523.00
10	297.07	10	657.72	10	1,018.24	10	1,378.66	10	1,739.32	10	2,099.97	10	2,460.55	10	2,821.05	10	3,180.82	10	3,527.47
1/4	304.59	1/4	665.23	1/4	1,025.75	1/4	1,386.17	1/4	1,746.83	1/4	2,107.48	1/4	2,468.06	1/4	2,828.54	1/4	3,188.28	1/4	3,531.52
1/2	312.10	1/2	672.74	1/2	1,033.25	1/2	1,393.69	1/2	1,754.34	1/2	2,114.99	1/2	2,475.57	1/2	2,836.04	1/2	3,195.75	1/2	3,535.56
3/4	319.62	3/4	680.26	3/4	1,040.75	3/4	1,401.20	3/4	1,761.86	3/4	2,122.51	3/4	2,483.08	3/4	2,843.54	3/4	3,203.21	3/4	3,539.60
11	327.13	11	687.77	11	1,048.26	11	1,408.71	11	1,769.37	11	2,130.02	11	2,490.59	11	2,851.04	11	3,210.68	11	3,543.65
1/4	334.64	1/4	695.29	1/4	1,055.76	1/4	1,416.23	1/4	1,776.88	1/4	2,137.53	1/4	2,498.11	1/4	2,858.53	1/4	3,218.14	1/4	3,547.69
1/2	342.16	1/2	702.80	1/2	1,063.27	1/2	1,423.74	1/2	1,784.40	1/2	2,145.04	1/2	2,505.62	1/2	2,866.03	1/2	3,225.60	1/2	3,551.73
3/4	349.67	3/4	710.31	3/4	1,070.77	3/4	1,431.25	3/4	1,791.91	3/4	2,152.55	3/4	2,513.13	3/4	2,873.53	3/4	3,233.07	3/4	3,555.78

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" DIAMETER "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 525"

3 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

HULL # C-1271

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,559.82	0	3,753.86	0	3,943.86	0	4,126.76	0	4,301.80	0		0		0		0		0	
1/4	3,563.86	1/4	3,757.89	1/4	3,947.74	1/4	4,130.49	1/4	4,305.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,567.91	1/2	3,761.92	1/2	3,951.62	1/2	4,134.22	1/2	4,308.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,571.95	3/4	3,765.94	3/4	3,955.50	3/4	4,137.95	3/4	4,312.39	3/4		3/4		3/4		3/4		3/4	
1	3,575.99	1	3,769.97	1	3,959.38	1	4,141.69	1	4,315.91	1		1		1		1		1	
1/4	3,580.03	1/4	3,773.98	1/4	3,963.24	1/4	4,145.39	1/4	4,319.43	1/4		1/4		1/4		1/4		1/4	
1/2	3,584.08	1/2	3,778.00	1/2	3,967.11	1/2	4,149.10	1/2	4,322.95	1/2		1/2		1/2		1/2		1/2	
3/4	3,588.12	3/4	3,782.01	3/4	3,970.97	3/4	4,152.80	3/4	4,326.47	3/4		3/4		3/4		3/4		3/4	
2	3,592.16	2	3,786.02	2	3,974.84	2	4,156.51	2	4,329.98	2		2		2		2		2	
1/4	3,596.21	1/4	3,790.02	1/4	3,978.69	1/4	4,160.20	1/4	4,333.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,600.25	1/2	3,794.03	1/2	3,982.55	1/2	4,163.89	1/2	4,336.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,604.29	3/4	3,798.03	3/4	3,986.40	3/4	4,167.58	3/4	4,340.50	3/4		3/4		3/4		3/4		3/4	
3	3,608.34	3	3,802.03	3	3,990.25	3	4,171.27	3	4,344.00	3		3		3		3		3	
1/4	3,612.38	1/4	3,806.02	1/4	3,994.10	1/4	4,174.95	1/4	4,347.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,616.42	1/2	3,810.01	1/2	3,997.94	1/2	4,178.63	1/2	4,350.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,620.47	3/4	3,814.00	3/4	4,001.78	3/4	4,182.31	3/4	4,354.48	3/4		3/4		3/4		3/4		3/4	
4	3,624.51	4	3,817.99	4	4,005.62	4	4,185.99	4	4,357.97	4		4		4		4		4	
1/4	3,628.55	1/4	3,821.96	1/4	4,009.45	1/4	4,189.65	1/4	4,361.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,632.59	1/2	3,825.94	1/2	4,013.28	1/2	4,193.32	1/2	4,364.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,636.64	3/4	3,829.92	3/4	4,017.11	3/4	4,196.99	3/4	4,368.41	3/4		3/4		3/4		3/4		3/4	
5	3,640.68	5	3,833.89	5	4,020.93	5	4,200.65	5	4,371.89	5		5		5		5		5	
1/4	3,644.72	1/4	3,837.86	1/4	4,024.75	1/4	4,204.31	1/4	4,375.68	1/4		1/4		1/4		1/4		1/4	
1/2	3,648.77	1/2	3,841.82	1/2	4,028.57	1/2	4,207.96	1/2	4,379.47	1/2		1/2		1/2		1/2		1/2	
3/4	3,652.81	3/4	3,845.79	3/4	4,032.38	3/4	4,211.61	3/4	4,383.26	3/4		3/4		3/4		3/4		3/4	
6	3,656.85	6	3,849.75	6	4,036.20	6	4,215.27	6	4,387.05	6		6		6		6		6	
1/4	3,660.90	1/4	3,853.70	1/4	4,040.01	1/4	4,218.91	1/4	4,389.93	1/4		1/4		1/4		1/4		1/4	
1/2	3,664.94	1/2	3,857.66	1/2	4,043.81	1/2	4,222.55	1/2	4,392.81	1/2		1/2		1/2		1/2		1/2	
3/4	3,668.98	3/4	3,861.61	3/4	4,047.61	3/4	4,226.19	3/4	4,395.68	3/4		3/4		3/4		3/4		3/4	
7	3,673.03	7	3,865.56	7	4,051.42	7	4,229.84	7	4,398.56	7		7		7		7		7	
1/4	3,677.07	1/4	3,869.50	1/4	4,055.21	1/4	4,233.47	1/4	4,400.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,681.11	1/2	3,873.44	1/2	4,059.00	1/2	4,237.09	1/2	4,401.87	1/2		1/2		1/2		1/2		1/2	
3/4	3,685.15	3/4	3,877.38	3/4	4,062.79	3/4	4,240.72	3/4	4,403.52	3/4		3/4		3/4		3/4		3/4	
8	3,689.20	8	3,881.32	8	4,066.59	8	4,244.35	8	4,405.18	8		8		8		8		8	
1/4	3,693.24	1/4	3,885.25	1/4	4,070.37	1/4	4,247.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,697.28	1/2	3,889.17	1/2	4,074.15	1/2	4,251.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,701.33	3/4	3,893.10	3/4	4,077.92	3/4	4,255.20	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,705.37	9	3,897.03	9	4,081.70	9	4,258.82	9		9		9		9		9		9	
1/4	3,709.41	1/4	3,900.94	1/4	4,085.47	1/4	4,262.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,713.46	1/2	3,904.86	1/2	4,089.24	1/2	4,266.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,717.50	3/4	3,908.77	3/4	4,093.01	3/4	4,269.64	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,721.54	10	3,912.69	10	4,096.77	10	4,273.24	10		10		10		10		10		10	
1/4	3,725.59	1/4	3,916.59	1/4	4,100.53	1/4	4,276.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,729.63	1/2	3,920.50	1/2	4,104.28	1/2	4,280.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,733.67	3/4	3,924.40	3/4	4,108.04	3/4	4,284.02	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,737.72	11	3,928.30	11	4,111.79	11	4,287.61	11		11		11		11		11		11	
1/4	3,741.75	1/4	3,932.19	1/4	4,115.54	1/4	4,291.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,745.79	1/2	3,936.08	1/2	4,119.28	1/2	4,294.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,749.83	3/4	3,939.97	3/4	4,123.02	3/4	4,298.25	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2020 CL
CALCULATED: 08/08/2020 CL
PRINTED: 08/08/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 525"

3 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

HULL # C-1271

GAUGE HEIGHT 15'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21.30	0	356.97	0	717.36	0	1,066.16	0	1,419.95	0	1,779.72	0	2,139.98	0	2,500.19	0	2,860.20	0	3,219.15
1/4	25.52	1/4	364.48	1/4	724.87	1/4	1,073.33	1/4	1,427.40	1/4	1,787.22	1/4	2,147.49	1/4	2,507.69	1/4	2,867.69	1/4	3,226.61
1/2	29.75	1/2	371.98	1/2	732.38	1/2	1,080.50	1/2	1,434.84	1/2	1,794.73	1/2	2,154.99	1/2	2,515.20	1/2	2,875.18	1/2	3,234.06
3/4	33.98	3/4	379.49	3/4	739.89	3/4	1,087.67	3/4	1,442.28	3/4	1,802.23	3/4	2,162.49	3/4	2,522.70	3/4	2,882.67	3/4	3,241.52
1	38.21	1	387.00	1	747.39	1	1,094.84	1	1,449.73	1	1,809.74	1	2,170.00	1	2,530.20	1	2,890.16	1	3,248.98
1/4	43.68	1/4	394.51	1/4	754.90	1/4	1,102.01	1/4	1,457.17	1/4	1,817.25	1/4	2,177.50	1/4	2,537.71	1/4	2,897.65	1/4	3,256.43
1/2	49.16	1/2	402.02	1/2	762.41	1/2	1,109.18	1/2	1,464.62	1/2	1,824.75	1/2	2,185.01	1/2	2,545.21	1/2	2,905.13	1/2	3,263.89
3/4	54.63	3/4	409.52	3/4	769.92	3/4	1,116.35	3/4	1,472.06	3/4	1,832.26	3/4	2,192.51	3/4	2,552.72	3/4	2,912.61	3/4	3,271.34
2	60.10	2	417.03	2	777.43	2	1,123.52	2	1,479.50	2	1,839.76	2	2,200.02	2	2,560.22	2	2,920.10	2	3,278.80
1/4	66.82	1/4	424.54	1/4	784.93	1/4	1,130.69	1/4	1,487.00	1/4	1,847.27	1/4	2,207.52	1/4	2,567.73	1/4	2,927.58	1/4	3,286.26
1/2	73.53	1/2	432.05	1/2	792.44	1/2	1,137.86	1/2	1,494.50	1/2	1,854.78	1/2	2,215.02	1/2	2,575.23	1/2	2,935.06	1/2	3,293.71
3/4	80.25	3/4	439.56	3/4	799.95	3/4	1,145.03	3/4	1,502.00	3/4	1,862.28	3/4	2,222.53	3/4	2,582.74	3/4	2,942.55	3/4	3,301.17
3	86.96	3	447.07	3	807.46	3	1,152.20	3	1,509.50	3	1,869.79	3	2,230.03	3	2,590.24	3	2,950.03	3	3,308.62
1/4	94.39	1/4	454.57	1/4	814.72	1/4	1,159.62	1/4	1,517.00	1/4	1,877.30	1/4	2,237.54	1/4	2,597.74	1/4	2,957.51	1/4	3,316.09
1/2	101.82	1/2	462.08	1/2	821.98	1/2	1,167.04	1/2	1,524.51	1/2	1,884.80	1/2	2,245.04	1/2	2,605.25	1/2	2,964.99	1/2	3,323.56
3/4	109.25	3/4	469.59	3/4	829.23	3/4	1,174.46	3/4	1,532.01	3/4	1,892.31	3/4	2,252.55	3/4	2,612.75	3/4	2,972.48	3/4	3,331.03
4	116.68	4	477.10	4	836.49	4	1,181.88	4	1,539.52	4	1,899.81	4	2,260.05	4	2,620.25	4	2,979.96	4	3,338.50
1/4	124.19	1/4	484.61	1/4	843.69	1/4	1,189.30	1/4	1,547.03	1/4	1,907.32	1/4	2,267.55	1/4	2,627.75	1/4	2,987.44	1/4	3,345.97
1/2	131.71	1/2	492.11	1/2	850.89	1/2	1,196.73	1/2	1,554.53	1/2	1,914.83	1/2	2,275.06	1/2	2,635.26	1/2	2,994.92	1/2	3,353.44
3/4	139.22	3/4	499.62	3/4	858.09	3/4	1,204.16	3/4	1,562.04	3/4	1,922.33	3/4	2,282.56	3/4	2,642.76	3/4	3,002.41	3/4	3,360.91
5	146.73	5	507.13	5	865.29	5	1,211.59	5	1,569.55	5	1,929.84	5	2,290.07	5	2,650.26	5	3,009.89	5	3,368.39
1/4	154.24	1/4	514.64	1/4	872.48	1/4	1,219.02	1/4	1,577.05	1/4	1,937.34	1/4	2,297.57	1/4	2,657.77	1/4	3,017.37	1/4	3,375.86
1/2	161.75	1/2	522.15	1/2	879.68	1/2	1,226.44	1/2	1,584.56	1/2	1,944.85	1/2	2,305.08	1/2	2,665.27	1/2	3,024.85	1/2	3,383.33
3/4	169.26	3/4	529.66	3/4	886.87	3/4	1,233.87	3/4	1,592.06	3/4	1,952.36	3/4	2,312.58	3/4	2,672.77	3/4	3,032.34	3/4	3,390.80
6	176.77	6	537.16	6	894.07	6	1,241.30	6	1,599.57	6	1,959.86	6	2,320.08	6	2,680.27	6	3,039.82	6	3,398.27
1/4	184.28	1/4	544.67	1/4	901.24	1/4	1,248.74	1/4	1,607.08	1/4	1,967.37	1/4	2,327.59	1/4	2,687.78	1/4	3,047.30	1/4	3,405.74
1/2	191.79	1/2	552.18	1/2	908.42	1/2	1,256.18	1/2	1,614.58	1/2	1,974.87	1/2	2,335.09	1/2	2,695.28	1/2	3,054.78	1/2	3,413.21
3/4	199.29	3/4	559.69	3/4	915.59	3/4	1,263.62	3/4	1,622.09	3/4	1,982.38	3/4	2,342.60	3/4	2,702.78	3/4	3,062.27	3/4	3,420.69
7	206.80	7	567.20	7	922.77	7	1,271.07	7	1,629.59	7	1,989.89	7	2,350.10	7	2,710.29	7	3,069.75	7	3,428.16
1/4	214.31	1/4	574.70	1/4	929.94	1/4	1,278.51	1/4	1,637.10	1/4	1,997.39	1/4	2,357.61	1/4	2,717.79	1/4	3,077.24	1/4	3,435.63
1/2	221.82	1/2	582.21	1/2	937.11	1/2	1,285.96	1/2	1,644.61	1/2	2,004.90	1/2	2,365.11	1/2	2,725.29	1/2	3,084.73	1/2	3,443.10
3/4	229.33	3/4	589.72	3/4	944.28	3/4	1,293.40	3/4	1,652.11	3/4	2,012.41	3/4	2,372.61	3/4	2,732.79	3/4	3,092.22	3/4	3,450.57
8	236.84	8	597.23	8	951.45	8	1,300.84	8	1,659.62	8	2,019.91	8	2,380.12	8	2,740.30	8	3,099.71	8	3,458.04
1/4	244.34	1/4	604.74	1/4	958.62	1/4	1,308.29	1/4	1,667.12	1/4	2,027.42	1/4	2,387.62	1/4	2,747.80	1/4	3,107.20	1/4	3,465.51
1/2	251.85	1/2	612.25	1/2	965.79	1/2	1,315.73	1/2	1,674.63	1/2	2,034.92	1/2	2,395.13	1/2	2,755.31	1/2	3,114.69	1/2	3,472.98
3/4	259.36	3/4	619.75	3/4	972.96	3/4	1,323.18	3/4	1,682.14	3/4	2,042.43	3/4	2,402.63	3/4	2,762.81	3/4	3,122.18	3/4	3,480.46
9	266.87	9	627.26	9	980.13	9	1,330.62	9	1,689.64	9	2,049.93	9	2,410.14	9	2,770.32	9	3,129.67	9	3,487.93
1/4	274.38	1/4	634.77	1/4	987.30	1/4	1,338.06	1/4	1,697.15	1/4	2,057.43	1/4	2,417.64	1/4	2,777.81	1/4	3,137.13	1/4	3,492.39
1/2	281.88	1/2	642.28	1/2	994.47	1/2	1,345.51	1/2	1,704.66	1/2	2,064.94	1/2	2,425.14	1/2	2,785.30	1/2	3,144.59	1/2	3,496.85
3/4	289.39	3/4	649.79	3/4	1,001.64	3/4	1,352.95	3/4	1,712.16	3/4	2,072.44	3/4	2,432.65	3/4	2,792.79	3/4	3,152.05	3/4	3,501.31
10	296.90	10	657.29	10	1,008.81	10	1,360.40	10	1,719.67	10	2,079.95	10	2,440.15	10	2,800.28	10	3,159.51	10	3,505.77
1/4	304.41	1/4	664.80	1/4	1,015.98	1/4	1,367.84	1/4	1,727.17	1/4	2,087.45	1/4	2,447.66	1/4	2,807.77	1/4	3,166.96	1/4	3,509.80
1/2	311.92	1/2	672.31	1/2	1,023.15	1/2	1,375.29	1/2	1,734.68	1/2	2,094.96	1/2	2,455.16	1/2	2,815.26	1/2	3,174.42	1/2	3,513.83
3/4	319.43	3/4	679.82	3/4	1,030.32	3/4	1,382.73	3/4	1,742.19	3/4	2,102.46	3/4	2,462.67	3/4	2,822.75	3/4	3,181.87	3/4	3,517.86
11	326.93	11	687.33	11	1,037.48	11	1,390.17	11	1,749.69	11	2,109.96	11	2,470.17	11	2,830.24	11	3,189.33	11	3,521.89
1/4	334.44	1/4	694.84	1/4	1,044.65	1/4	1,397.62	1/4	1,757.20	1/4	2,117.47	1/4	2,477.67	1/4	2,837.73	1/4	3,196.79	1/4	3,525.92
1/2	341.95	1/2	702.34	1/2	1,051.82	1/2	1,405.06	1/2	1,764.70	1/2	2,124.97	1/2	2,485.18	1/2	2,845.22	1/2	3,204.24	1/2	3,529.96
3/4	349.46	3/4	709.85	3/4	1,058.99	3/4	1,412.51	3/4	1,772.21	3/4	2,132.48	3/4	2,492.68	3/4	2,852.71	3/4	3,211.70	3/4	3,533.99

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" DIAMETER "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 525"

3 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

HULL # C-1271

GAUGE HEIGHT 15'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,538.02	0	3,731.47	0	3,920.87	0	4,103.17	0	4,277.59	0		0		0		0		0	
1/4	3,542.05	1/4	3,735.49	1/4	3,924.74	1/4	4,106.89	1/4	4,281.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,546.08	1/2	3,739.50	1/2	3,928.61	1/2	4,110.61	1/2	4,284.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,550.11	3/4	3,743.51	3/4	3,932.47	3/4	4,114.32	3/4	4,288.14	3/4		3/4		3/4		3/4		3/4	
1	3,554.14	1	3,747.53	1	3,936.34	1	4,118.04	1	4,291.65	1		1		1		1		1	
1/4	3,558.17	1/4	3,751.53	1/4	3,940.19	1/4	4,121.73	1/4	4,295.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,562.20	1/2	3,755.53	1/2	3,944.04	1/2	4,125.43	1/2	4,298.66	1/2		1/2		1/2		1/2		1/2	
3/4	3,566.23	3/4	3,759.53	3/4	3,947.90	3/4	4,129.12	3/4	4,302.16	3/4		3/4		3/4		3/4		3/4	
2	3,570.26	2	3,763.53	2	3,951.75	2	4,132.81	2	4,305.67	2		2		2		2		2	
1/4	3,574.29	1/4	3,767.52	1/4	3,955.59	1/4	4,136.49	1/4	4,309.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,578.32	1/2	3,771.51	1/2	3,959.43	1/2	4,140.17	1/2	4,312.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,582.35	3/4	3,775.50	3/4	3,963.27	3/4	4,143.85	3/4	4,316.14	3/4		3/4		3/4		3/4		3/4	
3	3,586.39	3	3,779.49	3	3,967.12	3	4,147.52	3	4,319.64	3		3		3		3		3	
1/4	3,590.42	1/4	3,783.47	1/4	3,970.94	1/4	4,151.19	1/4	4,323.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,594.45	1/2	3,787.44	1/2	3,974.77	1/2	4,154.86	1/2	4,326.59	1/2		1/2		1/2		1/2		1/2	
3/4	3,598.48	3/4	3,791.42	3/4	3,978.60	3/4	4,158.52	3/4	4,330.07	3/4		3/4		3/4		3/4		3/4	
4	3,602.51	4	3,795.40	4	3,982.43	4	4,162.19	4	4,333.55	4		4		4		4		4	
1/4	3,606.54	1/4	3,799.36	1/4	3,986.25	1/4	4,165.84	1/4	4,337.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,610.57	1/2	3,803.32	1/2	3,990.06	1/2	4,169.50	1/2	4,340.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,614.60	3/4	3,807.29	3/4	3,993.88	3/4	4,173.15	3/4	4,343.95	3/4		3/4		3/4		3/4		3/4	
5	3,618.63	5	3,811.25	5	3,997.70	5	4,176.80	5	4,347.42	5		5		5		5		5	
1/4	3,622.66	1/4	3,815.21	1/4	4,001.50	1/4	4,180.44	1/4	4,351.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,626.69	1/2	3,819.16	1/2	4,005.30	1/2	4,184.09	1/2	4,354.98	1/2		1/2		1/2		1/2		1/2	
3/4	3,630.72	3/4	3,823.11	3/4	4,009.11	3/4	4,187.73	3/4	4,358.76	3/4		3/4		3/4		3/4		3/4	
6	3,634.75	6	3,827.06	6	4,012.91	6	4,191.37	6	4,362.54	6		6		6		6		6	
1/4	3,638.78	1/4	3,831.00	1/4	4,016.70	1/4	4,195.00	1/4	4,365.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,642.82	1/2	3,834.94	1/2	4,020.49	1/2	4,198.63	1/2	4,368.26	1/2		1/2		1/2		1/2		1/2	
3/4	3,646.85	3/4	3,838.88	3/4	4,024.29	3/4	4,202.25	3/4	4,371.12	3/4		3/4		3/4		3/4		3/4	
7	3,650.88	7	3,842.82	7	4,028.08	7	4,205.88	7	4,373.98	7		7		7		7		7	
1/4	3,654.91	1/4	3,846.75	1/4	4,031.86	1/4	4,209.50	1/4	4,375.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,658.94	1/2	3,850.68	1/2	4,035.64	1/2	4,213.12	1/2	4,377.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,662.97	3/4	3,854.60	3/4	4,039.42	3/4	4,216.73	3/4	4,378.91	3/4		3/4		3/4		3/4		3/4	
8	3,667.00	8	3,858.53	8	4,043.19	8	4,220.35	8	4,380.55	8		8		8		8		8	
1/4	3,671.03	1/4	3,862.45	1/4	4,046.96	1/4	4,223.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,675.06	1/2	3,866.36	1/2	4,050.73	1/2	4,227.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,679.09	3/4	3,870.28	3/4	4,054.50	3/4	4,231.16	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,683.12	9	3,874.19	9	4,058.26	9	4,234.77	9		9		9		9		9		9	
1/4	3,687.15	1/4	3,878.09	1/4	4,062.02	1/4	4,238.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,691.18	1/2	3,882.00	1/2	4,065.77	1/2	4,241.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,695.21	3/4	3,885.90	3/4	4,069.53	3/4	4,245.54	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,699.24	10	3,889.80	10	4,073.28	10	4,249.14	10		10		10		10		10		10	
1/4	3,703.28	1/4	3,893.69	1/4	4,077.02	1/4	4,252.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,707.31	1/2	3,897.58	1/2	4,080.77	1/2	4,256.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,711.34	3/4	3,901.47	3/4	4,084.51	3/4	4,259.87	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,715.37	11	3,905.36	11	4,088.25	11	4,263.45	11		11		11		11		11		11	
1/4	3,719.39	1/4	3,909.24	1/4	4,091.98	1/4	4,266.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,723.42	1/2	3,913.12	1/2	4,095.71	1/2	4,270.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,727.45	3/4	3,917.00	3/4	4,099.44	3/4	4,274.05	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2020 CL
CALCULATED: 08/08/2020 CL
PRINTED: 08/08/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 525"

ULLAGE TRIM TABLE
HULL # 1271

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
1 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4
2 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4
3 PORT	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-7/8	- 02-7/8	03-1/2	- 03-1/2
3 STBD	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-7/8	- 02-7/8	03-3/8	- 03-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
AFT DRAFT = 4'-00"
DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-1/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 253'-00"

August 8, 2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588

http://www.pmacorp.net

BARGE "EMS 525"

1 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

HULL # C-1271

GAUGE HEIGHT 15'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,938.66	0	4,607.10	0	4,261.34	0	3,902.54	0	3,539.22	0	3,175.91	0	2,812.60	0	2,449.23
1/4		1/4		1/4	4,931.89	1/4	4,600.02	1/4	4,253.99	1/4	3,894.97	1/4	3,531.65	1/4	3,168.34	1/4	2,805.03	1/4	2,441.66
1/2		1/2		1/2	4,925.12	1/2	4,592.94	1/2	4,246.64	1/2	3,887.40	1/2	3,524.09	1/2	3,160.77	1/2	2,797.46	1/2	2,434.09
3/4		3/4		3/4	4,918.35	3/4	4,585.87	3/4	4,239.28	3/4	3,879.83	3/4	3,516.52	3/4	3,153.20	3/4	2,789.89	3/4	2,426.51
1		1	5,225.15	1	4,911.58	1	4,578.79	1	4,231.93	1	3,872.26	1	3,508.95	1	3,145.64	1	2,782.32	1	2,418.94
1/4		1/4	5,220.02	1/4	4,904.78	1/4	4,571.69	1/4	4,224.55	1/4	3,864.69	1/4	3,501.38	1/4	3,138.07	1/4	2,774.75	1/4	2,411.37
1/2		1/2	5,214.89	1/2	4,897.99	1/2	4,564.59	1/2	4,217.18	1/2	3,857.12	1/2	3,493.81	1/2	3,130.50	1/2	2,767.19	1/2	2,403.80
3/4		3/4	5,209.76	3/4	4,891.20	3/4	4,557.49	3/4	4,209.80	3/4	3,849.55	3/4	3,486.24	3/4	3,122.93	3/4	2,759.62	3/4	2,396.23
2		2	5,204.63	2	4,884.40	2	4,550.39	2	4,202.42	2	3,841.98	2	3,478.67	2	3,115.36	2	2,752.05	2	2,388.66
1/4		1/4	5,198.29	1/4	4,877.58	1/4	4,543.27	1/4	4,195.03	1/4	3,834.41	1/4	3,471.10	1/4	3,107.79	1/4	2,744.48	1/4	2,381.08
1/2		1/2	5,191.94	1/2	4,870.77	1/2	4,536.15	1/2	4,187.63	1/2	3,826.85	1/2	3,463.53	1/2	3,100.22	1/2	2,736.91	1/2	2,373.51
3/4		3/4	5,185.59	3/4	4,863.95	3/4	4,529.02	3/4	4,180.23	3/4	3,819.28	3/4	3,455.96	3/4	3,092.65	3/4	2,729.34	3/4	2,365.94
3		3	5,179.25	3	4,857.13	3	4,521.90	3	4,172.83	3	3,811.71	3	3,448.40	3	3,085.08	3	2,721.77	3	2,358.37
1/4		1/4	5,172.04	1/4	4,850.29	1/4	4,514.76	1/4	4,165.41	1/4	3,804.14	1/4	3,440.83	1/4	3,077.51	1/4	2,714.20	1/4	2,350.80
1/2		1/2	5,164.82	1/2	4,843.45	1/2	4,507.61	1/2	4,157.98	1/2	3,796.57	1/2	3,433.26	1/2	3,069.95	1/2	2,706.63	1/2	2,343.22
3/4		3/4	5,157.61	3/4	4,836.61	3/4	4,500.46	3/4	4,150.56	3/4	3,789.00	3/4	3,425.69	3/4	3,062.38	3/4	2,699.06	3/4	2,335.65
4		4	5,150.40	4	4,829.77	4	4,493.32	4	4,143.14	4	3,781.43	4	3,418.12	4	3,054.81	4	2,691.50	4	2,328.08
1/4		1/4	5,143.88	1/4	4,822.91	1/4	4,486.15	1/4	4,135.70	1/4	3,773.86	1/4	3,410.55	1/4	3,047.24	1/4	2,683.93	1/4	2,320.51
1/2		1/2	5,137.36	1/2	4,816.05	1/2	4,478.98	1/2	4,128.25	1/2	3,766.29	1/2	3,402.98	1/2	3,039.67	1/2	2,676.36	1/2	2,312.94
3/4		3/4	5,130.85	3/4	4,809.18	3/4	4,471.81	3/4	4,120.80	3/4	3,758.72	3/4	3,395.41	3/4	3,032.10	3/4	2,668.79	3/4	2,305.37
5		5	5,124.33	5	4,802.32	5	4,464.64	5	4,113.36	5	3,751.16	5	3,387.84	5	3,024.53	5	2,661.22	5	2,297.79
1/4		1/4	5,117.79	1/4	4,795.44	1/4	4,457.45	1/4	4,105.89	1/4	3,743.59	1/4	3,380.27	1/4	3,016.96	1/4	2,653.65	1/4	2,290.22
1/2		1/2	5,111.25	1/2	4,788.55	1/2	4,450.26	1/2	4,098.42	1/2	3,736.02	1/2	3,372.71	1/2	3,009.39	1/2	2,646.09	1/2	2,282.65
3/4		3/4	5,104.71	3/4	4,781.66	3/4	4,443.07	3/4	4,090.96	3/4	3,728.45	3/4	3,365.14	3/4	3,001.82	3/4	2,638.52	3/4	2,275.08
6		6	5,098.17	6	4,774.78	6	4,435.88	6	4,083.49	6	3,720.88	6	3,357.57	6	2,994.26	6	2,630.95	6	2,267.51
1/4		1/4	5,091.61	1/4	4,767.87	1/4	4,428.66	1/4	4,076.00	1/4	3,713.31	1/4	3,350.00	1/4	2,986.69	1/4	2,623.38	1/4	2,259.93
1/2		1/2	5,085.04	1/2	4,760.96	1/2	4,421.45	1/2	4,068.50	1/2	3,705.74	1/2	3,342.43	1/2	2,979.12	1/2	2,615.81	1/2	2,252.36
3/4		3/4	5,078.48	3/4	4,754.05	3/4	4,414.23	3/4	4,061.01	3/4	3,698.17	3/4	3,334.86	3/4	2,971.55	3/4	2,608.24	3/4	2,244.79
7		7	5,071.92	7	4,747.14	7	4,407.02	7	4,053.52	7	3,690.60	7	3,327.29	7	2,963.98	7	2,600.67	7	2,237.22
1/4		1/4	5,065.33	1/4	4,740.21	1/4	4,399.78	1/4	4,046.01	1/4	3,683.03	1/4	3,319.72	1/4	2,956.41	1/4	2,593.09	1/4	2,229.65
1/2		1/2	5,058.74	1/2	4,733.27	1/2	4,392.54	1/2	4,038.49	1/2	3,675.47	1/2	3,312.15	1/2	2,948.84	1/2	2,585.52	1/2	2,222.08
3/4		3/4	5,052.16	3/4	4,726.33	3/4	4,385.30	3/4	4,030.98	3/4	3,667.90	3/4	3,304.58	3/4	2,941.27	3/4	2,577.95	3/4	2,214.50
8		8	5,045.57	8	4,719.40	8	4,378.07	8	4,023.47	8	3,660.33	8	3,297.02	8	2,933.70	8	2,570.38	8	2,206.93
1/4		1/4	5,038.96	1/4	4,712.41	1/4	4,370.81	1/4	4,015.93	1/4	3,652.76	1/4	3,289.45	1/4	2,926.13	1/4	2,562.81	1/4	2,199.36
1/2		1/2	5,032.35	1/2	4,705.43	1/2	4,363.55	1/2	4,008.39	1/2	3,645.19	1/2	3,281.88	1/2	2,918.57	1/2	2,555.23	1/2	2,191.79
3/4		3/4	5,025.74	3/4	4,698.44	3/4	4,356.28	3/4	4,000.85	3/4	3,637.62	3/4	3,274.31	3/4	2,911.00	3/4	2,547.66	3/4	2,184.22
9		9	5,019.13	9	4,691.46	9	4,349.02	9	3,993.32	9	3,630.05	9	3,266.74	9	2,903.43	9	2,540.09	9	2,176.64
1/4		1/4	5,012.49	1/4	4,684.45	1/4	4,341.74	1/4	3,985.76	1/4	3,622.48	1/4	3,259.17	1/4	2,895.86	1/4	2,532.52	1/4	2,169.07
1/2		1/2	5,005.85	1/2	4,677.45	1/2	4,334.46	1/2	3,978.20	1/2	3,614.91	1/2	3,251.60	1/2	2,888.29	1/2	2,524.95	1/2	2,161.50
3/4		3/4	4,999.21	3/4	4,670.44	3/4	4,327.17	3/4	3,970.64	3/4	3,607.34	3/4	3,244.03	3/4	2,880.72	3/4	2,517.38	3/4	2,153.93
10		10	4,992.57	10	4,663.43	10	4,319.89	10	3,963.09	10	3,599.78	10	3,236.46	10	2,873.15	10	2,509.80	10	2,146.36
1/4		1/4	4,985.84	1/4	4,656.40	1/4	4,312.58	1/4	3,955.52	1/4	3,592.21	1/4	3,228.89	1/4	2,865.58	1/4	2,502.23	1/4	2,138.79
1/2		1/2	4,979.11	1/2	4,649.37	1/2	4,305.27	1/2	3,947.95	1/2	3,584.64	1/2	3,221.33	1/2	2,858.01	1/2	2,494.66	1/2	2,131.21
3/4		3/4	4,972.39	3/4	4,642.34	3/4	4,297.97	3/4	3,940.38	3/4	3,577.07	3/4	3,213.76	3/4	2,850.44	3/4	2,487.09	3/4	2,123.64
11		11	4,965.66	11	4,635.31	11	4,290.66	11	3,932.81	11	3,569.50	11	3,206.19	11	2,842.88	11	2,479.52	11	2,116.07
1/4		1/4	4,958.91	1/4	4,628.26	1/4	4,283.33	1/4	3,925.24	1/4	3,561.93	1/4	3,198.62	1/4	2,835.31	1/4	2,471.95	1/4	2,108.50
1/2		1/2	4,952.16	1/2	4,621.20	1/2	4,276.00	1/2	3,917.67	1/2	3,554.36	1/2	3,191.05	1/2	2,827.74	1/2	2,464.37	1/2	2,100.93
3/4		3/4	4,945.41	3/4	4,614.15	3/4	4,268.67	3/4	3,910.10	3/4	3,546.79	3/4	3,183.48	3/4	2,820.17	3/4	2,456.80	3/4	2,093.35

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" DIAMETER "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 525"

1 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

HULL # C-1271

GAUGE HEIGHT 15'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,085.78	0	1,722.34	0	1,358.89	0	995.85	0	632.51	0	269.08	0		0		0		0	
1/4	2,078.21	1/4	1,714.77	1/4	1,351.32	1/4	988.29	1/4	624.94	1/4	261.51	1/4		1/4		1/4		1/4	
1/2	2,070.64	1/2	1,707.19	1/2	1,343.75	1/2	980.73	1/2	617.37	1/2	253.94	1/2		1/2		1/2		1/2	
3/4	2,063.07	3/4	1,699.62	3/4	1,336.18	3/4	973.17	3/4	609.80	3/4	246.36	3/4		3/4		3/4		3/4	
1	2,055.50	1	1,692.05	1	1,328.60	1	965.61	1	602.23	1	238.79	1		1		1		1	
1/4	2,047.92	1/4	1,684.48	1/4	1,321.03	1/4	958.05	1/4	594.65	1/4	231.22	1/4		1/4		1/4		1/4	
1/2	2,040.35	1/2	1,676.91	1/2	1,313.46	1/2	950.49	1/2	587.08	1/2	223.65	1/2		1/2		1/2		1/2	
3/4	2,032.78	3/4	1,669.33	3/4	1,305.89	3/4	942.93	3/4	579.51	3/4	216.08	3/4		3/4		3/4		3/4	
2	2,025.21	2	1,661.76	2	1,298.32	2	935.37	2	571.94	2	208.51	2		2		2		2	
1/4	2,017.64	1/4	1,654.19	1/4	1,290.74	1/4	927.80	1/4	564.37	1/4	200.94	1/4		1/4		1/4		1/4	
1/2	2,010.07	1/2	1,646.62	1/2	1,283.17	1/2	920.23	1/2	556.80	1/2	193.36	1/2		1/2		1/2		1/2	
3/4	2,002.49	3/4	1,639.05	3/4	1,275.60	3/4	912.66	3/4	549.22	3/4	185.79	3/4		3/4		3/4		3/4	
3	1,994.92	3	1,631.48	3	1,268.03	3	905.09	3	541.65	3	178.22	3		3		3		3	
1/4	1,987.35	1/4	1,623.90	1/4	1,260.46	1/4	897.51	1/4	534.08	1/4	170.65	1/4		1/4		1/4		1/4	
1/2	1,979.78	1/2	1,616.33	1/2	1,252.89	1/2	889.94	1/2	526.51	1/2	163.08	1/2		1/2		1/2		1/2	
3/4	1,972.21	3/4	1,608.76	3/4	1,245.32	3/4	882.37	3/4	518.94	3/4	155.51	3/4		3/4		3/4		3/4	
4	1,964.63	4	1,601.19	4	1,237.75	4	874.80	4	511.37	4	147.94	4		4		4		4	
1/4	1,957.06	1/4	1,593.62	1/4	1,230.19	1/4	867.23	1/4	503.80	1/4	140.36	1/4		1/4		1/4		1/4	
1/2	1,949.49	1/2	1,586.04	1/2	1,222.63	1/2	859.66	1/2	496.22	1/2	132.79	1/2		1/2		1/2		1/2	
3/4	1,941.92	3/4	1,578.47	3/4	1,215.07	3/4	852.08	3/4	488.65	3/4	125.22	3/4		3/4		3/4		3/4	
5	1,934.35	5	1,570.90	5	1,207.51	5	844.51	5	481.08	5	117.65	5		5		5		5	
1/4	1,926.78	1/4	1,563.33	1/4	1,199.95	1/4	836.94	1/4	473.51	1/4	110.16	1/4		1/4		1/4		1/4	
1/2	1,919.20	1/2	1,555.76	1/2	1,192.39	1/2	829.37	1/2	465.94	1/2	102.66	1/2		1/2		1/2		1/2	
3/4	1,911.63	3/4	1,548.19	3/4	1,184.83	3/4	821.80	3/4	458.37	3/4	95.17	3/4		3/4		3/4		3/4	
6	1,904.06	6	1,540.61	6	1,177.27	6	814.23	6	450.80	6	87.68	6		6		6		6	
1/4	1,896.49	1/4	1,533.04	1/4	1,169.71	1/4	806.66	1/4	443.22	1/4	80.90	1/4		1/4		1/4		1/4	
1/2	1,888.92	1/2	1,525.47	1/2	1,162.15	1/2	799.08	1/2	435.65	1/2	74.11	1/2		1/2		1/2		1/2	
3/4	1,881.34	3/4	1,517.90	3/4	1,154.59	3/4	791.51	3/4	428.08	3/4	67.33	3/4		3/4		3/4		3/4	
7	1,873.77	7	1,510.33	7	1,147.03	7	783.94	7	420.51	7	60.55	7		7		7		7	
1/4	1,866.20	1/4	1,502.75	1/4	1,139.47	1/4	776.37	1/4	412.94	1/4	55.03	1/4		1/4		1/4		1/4	
1/2	1,858.63	1/2	1,495.18	1/2	1,131.92	1/2	768.80	1/2	405.37	1/2	49.51	1/2		1/2		1/2		1/2	
3/4	1,851.06	3/4	1,487.61	3/4	1,124.36	3/4	761.23	3/4	397.79	3/4	43.99	3/4		3/4		3/4		3/4	
8	1,843.49	8	1,480.04	8	1,116.80	8	753.66	8	390.22	8	38.47	8		8		8		8	
1/4	1,835.91	1/4	1,472.47	1/4	1,109.24	1/4	746.08	1/4	382.65	1/4	34.21	1/4		1/4		1/4		1/4	
1/2	1,828.34	1/2	1,464.90	1/2	1,101.68	1/2	738.51	1/2	375.08	1/2	29.95	1/2		1/2		1/2		1/2	
3/4	1,820.77	3/4	1,457.32	3/4	1,094.12	3/4	730.94	3/4	367.51	3/4	25.70	3/4		3/4		3/4		3/4	
9	1,813.20	9	1,449.75	9	1,086.56	9	723.37	9	359.94	9	21.44	9		9		9		9	
1/4	1,805.63	1/4	1,442.18	1/4	1,079.00	1/4	715.80	1/4	352.37	1/4		1/4		1/4		1/4		1/4	
1/2	1,798.05	1/2	1,434.61	1/2	1,071.44	1/2	708.23	1/2	344.79	1/2		1/2		1/2		1/2		1/2	
3/4	1,790.48	3/4	1,427.04	3/4	1,063.88	3/4	700.65	3/4	337.22	3/4		3/4		3/4		3/4		3/4	
10	1,782.91	10	1,419.46	10	1,056.32	10	693.08	10	329.65	10		10		10		10		10	
1/4	1,775.34	1/4	1,411.89	1/4	1,048.76	1/4	685.51	1/4	322.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,767.77	1/2	1,404.32	1/2	1,041.20	1/2	677.94	1/2	314.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,760.20	3/4	1,396.75	3/4	1,033.64	3/4	670.37	3/4	306.94	3/4		3/4		3/4		3/4		3/4	
11	1,752.62	11	1,389.18	11	1,026.08	11	662.80	11	299.37	11		11		11		11		11	
1/4	1,745.05	1/4	1,381.61	1/4	1,018.52	1/4	655.23	1/4	291.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,737.48	1/2	1,374.03	1/2	1,010.96	1/2	647.65	1/2	284.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,729.91	3/4	1,366.46	3/4	1,003.41	3/4	640.08	3/4	276.65	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2020 CL
CALCULATED: 08/08/2020 CL
PRINTED: 08/08/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 525"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

HULL # C-1271

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,918.15	0	4,586.29	0	4,240.33	0	3,881.45	0	3,518.52	0	3,155.59	0	2,792.66	0	2,429.64
1/4		1/4		1/4	4,911.38	1/4	4,579.22	1/4	4,232.98	1/4	3,873.89	1/4	3,510.96	1/4	3,148.03	1/4	2,785.10	1/4	2,422.08
1/2		1/2	5,217.89	1/2	4,904.62	1/2	4,572.15	1/2	4,225.64	1/2	3,866.33	1/2	3,503.40	1/2	3,140.47	1/2	2,777.53	1/2	2,414.51
3/4		3/4	5,212.76	3/4	4,897.83	3/4	4,565.06	3/4	4,218.27	3/4	3,858.77	3/4	3,495.84	3/4	3,132.91	3/4	2,769.97	3/4	2,406.95
1		1	5,207.64	1	4,891.04	1	4,557.97	1	4,210.90	1	3,851.21	1	3,488.28	1	3,125.34	1	2,762.41	1	2,399.38
1/4		1/4	5,202.52	1/4	4,884.26	1/4	4,550.87	1/4	4,203.53	1/4	3,843.65	1/4	3,480.72	1/4	3,117.78	1/4	2,754.85	1/4	2,391.82
1/2		1/2	5,197.39	1/2	4,877.47	1/2	4,543.78	1/2	4,196.16	1/2	3,836.09	1/2	3,473.16	1/2	3,110.22	1/2	2,747.29	1/2	2,384.26
3/4		3/4	5,191.05	3/4	4,870.66	3/4	4,536.66	3/4	4,188.77	3/4	3,828.53	3/4	3,465.59	3/4	3,102.66	3/4	2,739.73	3/4	2,376.69
2		2	5,184.71	2	4,863.85	2	4,529.55	2	4,181.38	2	3,820.97	2	3,458.03	2	3,095.10	2	2,732.17	2	2,369.13
1/4		1/4	5,178.37	1/4	4,857.04	1/4	4,522.43	1/4	4,173.99	1/4	3,813.40	1/4	3,450.47	1/4	3,087.54	1/4	2,724.61	1/4	2,361.57
1/2		1/2	5,172.04	1/2	4,850.23	1/2	4,515.32	1/2	4,166.60	1/2	3,805.84	1/2	3,442.91	1/2	3,079.98	1/2	2,717.05	1/2	2,354.00
3/4		3/4	5,164.83	3/4	4,843.39	3/4	4,508.18	3/4	4,159.18	3/4	3,798.28	3/4	3,435.35	3/4	3,072.42	3/4	2,709.48	3/4	2,346.44
3		3	5,157.63	3	4,836.56	3	4,501.04	3	4,151.77	3	3,790.72	3	3,427.79	3	3,064.86	3	2,701.92	3	2,338.87
1/4		1/4	5,150.42	1/4	4,829.73	1/4	4,493.90	1/4	4,144.35	1/4	3,783.16	1/4	3,420.23	1/4	3,057.29	1/4	2,694.36	1/4	2,331.31
1/2		1/2	5,143.22	1/2	4,822.89	1/2	4,486.76	1/2	4,136.94	1/2	3,775.60	1/2	3,412.67	1/2	3,049.73	1/2	2,686.80	1/2	2,323.75
3/4		3/4	5,136.71	3/4	4,816.04	3/4	4,479.60	3/4	4,129.50	3/4	3,768.04	3/4	3,405.11	3/4	3,042.17	3/4	2,679.24	3/4	2,316.18
4		4	5,130.20	4	4,809.18	4	4,472.44	4	4,122.06	4	3,760.48	4	3,397.54	4	3,034.61	4	2,671.68	4	2,308.62
1/4		1/4	5,123.69	1/4	4,802.32	1/4	4,465.28	1/4	4,114.63	1/4	3,752.92	1/4	3,389.98	1/4	3,027.05	1/4	2,664.12	1/4	2,301.05
1/2		1/2	5,117.17	1/2	4,795.47	1/2	4,458.12	1/2	4,107.19	1/2	3,745.36	1/2	3,382.42	1/2	3,019.49	1/2	2,656.56	1/2	2,293.49
3/4		3/4	5,110.64	3/4	4,788.59	3/4	4,450.93	3/4	4,099.73	3/4	3,737.79	3/4	3,374.86	3/4	3,011.93	3/4	2,648.99	3/4	2,285.93
5		5	5,104.11	5	4,781.71	5	4,443.75	5	4,092.27	5	3,730.23	5	3,367.30	5	3,004.37	5	2,641.43	5	2,278.36
1/4		1/4	5,097.57	1/4	4,774.83	1/4	4,436.56	1/4	4,084.81	1/4	3,722.67	1/4	3,359.74	1/4	2,996.81	1/4	2,633.86	1/4	2,270.80
1/2		1/2	5,091.04	1/2	4,767.95	1/2	4,429.38	1/2	4,077.35	1/2	3,715.11	1/2	3,352.18	1/2	2,989.25	1/2	2,626.30	1/2	2,263.24
3/4		3/4	5,084.48	3/4	4,761.05	3/4	4,422.17	3/4	4,069.86	3/4	3,707.55	3/4	3,344.62	3/4	2,981.68	3/4	2,618.73	3/4	2,255.67
6		6	5,077.92	6	4,754.14	6	4,414.96	6	4,062.38	6	3,699.99	6	3,337.06	6	2,974.12	6	2,611.17	6	2,248.11
1/4		1/4	5,071.37	1/4	4,747.24	1/4	4,407.76	1/4	4,054.90	1/4	3,692.43	1/4	3,329.49	1/4	2,966.56	1/4	2,603.61	1/4	2,240.54
1/2		1/2	5,064.81	1/2	4,740.34	1/2	4,400.55	1/2	4,047.41	1/2	3,684.87	1/2	3,321.93	1/2	2,959.00	1/2	2,596.04	1/2	2,232.98
3/4		3/4	5,058.23	3/4	4,733.41	3/4	4,393.32	3/4	4,039.91	3/4	3,677.31	3/4	3,314.37	3/4	2,951.44	3/4	2,588.48	3/4	2,225.42
7		7	5,051.65	7	4,726.48	7	4,386.09	7	4,032.40	7	3,669.74	7	3,306.81	7	2,943.88	7	2,580.92	7	2,217.85
1/4		1/4	5,045.07	1/4	4,719.55	1/4	4,378.86	1/4	4,024.89	1/4	3,662.18	1/4	3,299.25	1/4	2,936.32	1/4	2,573.35	1/4	2,210.29
1/2		1/2	5,038.49	1/2	4,712.62	1/2	4,371.63	1/2	4,017.39	1/2	3,654.62	1/2	3,291.69	1/2	2,928.76	1/2	2,565.79	1/2	2,202.73
3/4		3/4	5,031.88	3/4	4,705.64	3/4	4,364.37	3/4	4,009.86	3/4	3,647.06	3/4	3,284.13	3/4	2,921.20	3/4	2,558.22	3/4	2,195.16
8		8	5,025.28	8	4,698.67	8	4,357.12	8	4,002.33	8	3,639.50	8	3,276.57	8	2,913.63	8	2,550.66	8	2,187.60
1/4		1/4	5,018.68	1/4	4,691.69	1/4	4,349.87	1/4	3,994.80	1/4	3,631.94	1/4	3,269.01	1/4	2,906.07	1/4	2,543.10	1/4	2,180.03
1/2		1/2	5,012.07	1/2	4,684.71	1/2	4,342.61	1/2	3,987.27	1/2	3,624.38	1/2	3,261.44	1/2	2,898.51	1/2	2,535.53	1/2	2,172.47
3/4		3/4	5,005.44	3/4	4,677.71	3/4	4,335.34	3/4	3,979.72	3/4	3,616.82	3/4	3,253.88	3/4	2,890.95	3/4	2,527.97	3/4	2,164.91
9		9	4,998.80	9	4,670.71	9	4,328.06	9	3,972.17	9	3,609.26	9	3,246.32	9	2,883.39	9	2,520.41	9	2,157.34
1/4		1/4	4,992.17	1/4	4,663.71	1/4	4,320.78	1/4	3,964.62	1/4	3,601.69	1/4	3,238.76	1/4	2,875.83	1/4	2,512.84	1/4	2,149.78
1/2		1/2	4,985.53	1/2	4,656.71	1/2	4,313.51	1/2	3,957.07	1/2	3,594.13	1/2	3,231.20	1/2	2,868.27	1/2	2,505.28	1/2	2,142.22
3/4		3/4	4,978.81	3/4	4,649.69	3/4	4,306.21	3/4	3,949.50	3/4	3,586.57	3/4	3,223.64	3/4	2,860.71	3/4	2,497.71	3/4	2,134.65
10		10	4,972.09	10	4,642.66	10	4,298.91	10	3,941.94	10	3,579.01	10	3,216.08	10	2,853.15	10	2,490.15	10	2,127.09
1/4		1/4	4,965.37	1/4	4,635.64	1/4	4,291.61	1/4	3,934.38	1/4	3,571.45	1/4	3,208.52	1/4	2,845.58	1/4	2,482.59	1/4	2,119.52
1/2		1/2	4,958.65	1/2	4,628.61	1/2	4,284.31	1/2	3,926.82	1/2	3,563.89	1/2	3,200.96	1/2	2,838.02	1/2	2,475.02	1/2	2,111.96
3/4		3/4	4,951.91	3/4	4,621.57	3/4	4,276.99	3/4	3,919.26	3/4	3,556.33	3/4	3,193.39	3/4	2,830.46	3/4	2,467.46	3/4	2,104.40
11		11	4,945.16	11	4,614.52	11	4,269.66	11	3,911.70	11	3,548.77	11	3,185.83	11	2,822.90	11	2,459.89	11	2,096.83
1/4		1/4	4,938.42	1/4	4,607.48	1/4	4,262.34	1/4	3,904.14	1/4	3,541.21	1/4	3,178.27	1/4	2,815.34	1/4	2,452.33	1/4	2,089.27
1/2		1/2	4,931.68	1/2	4,600.43	1/2	4,255.02	1/2	3,896.58	1/2	3,533.64	1/2	3,170.71	1/2	2,807.78	1/2	2,444.77	1/2	2,081.70
3/4		3/4	4,924.91	3/4	4,593.36	3/4	4,247.67	3/4	3,889.02	3/4	3,526.08	3/4	3,163.15	3/4	2,800.22	3/4	2,437.20	3/4	2,074.14

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" DIAMETER "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 525"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

HULL # C-1271

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,066.58	0	1,703.51	0	1,340.45	0	979.33	0	616.72	0	253.67	0		0		0		0	
1/4	2,059.01	1/4	1,695.95	1/4	1,332.89	1/4	971.82	1/4	609.15	1/4	246.11	1/4		1/4		1/4		1/4	
1/2	2,051.45	1/2	1,688.39	1/2	1,325.32	1/2	964.31	1/2	601.59	1/2	238.54	1/2		1/2		1/2		1/2	
3/4	2,043.89	3/4	1,680.82	3/4	1,317.76	3/4	956.79	3/4	594.03	3/4	230.98	3/4		3/4		3/4		3/4	
1	2,036.32	1	1,673.26	1	1,310.20	1	949.28	1	586.46	1	223.42	1		1		1		1	
1/4	2,028.76	1/4	1,665.70	1/4	1,302.63	1/4	941.77	1/4	578.90	1/4	215.85	1/4		1/4		1/4		1/4	
1/2	2,021.19	1/2	1,658.13	1/2	1,295.07	1/2	934.25	1/2	571.34	1/2	208.29	1/2		1/2		1/2		1/2	
3/4	2,013.63	3/4	1,650.57	3/4	1,287.51	3/4	926.72	3/4	563.77	3/4	200.72	3/4		3/4		3/4		3/4	
2	2,006.07	2	1,643.00	2	1,279.95	2	919.19	2	556.21	2	193.16	2		2		2		2	
1/4	1,998.50	1/4	1,635.44	1/4	1,272.39	1/4	911.66	1/4	548.65	1/4	185.60	1/4		1/4		1/4		1/4	
1/2	1,990.94	1/2	1,627.88	1/2	1,264.83	1/2	904.13	1/2	541.08	1/2	178.03	1/2		1/2		1/2		1/2	
3/4	1,983.38	3/4	1,620.31	3/4	1,257.31	3/4	896.57	3/4	533.52	3/4	170.47	3/4		3/4		3/4		3/4	
3	1,975.81	3	1,612.75	3	1,249.79	3	889.00	3	525.96	3	162.91	3		3		3		3	
1/4	1,968.25	1/4	1,605.19	1/4	1,242.27	1/4	881.44	1/4	518.39	1/4	155.34	1/4		1/4		1/4		1/4	
1/2	1,960.68	1/2	1,597.62	1/2	1,234.74	1/2	873.88	1/2	510.83	1/2	147.78	1/2		1/2		1/2		1/2	
3/4	1,953.12	3/4	1,590.06	3/4	1,227.23	3/4	866.31	3/4	503.26	3/4	140.22	3/4		3/4		3/4		3/4	
4	1,945.56	4	1,582.49	4	1,219.72	4	858.75	4	495.70	4	132.65	4		4		4		4	
1/4	1,937.99	1/4	1,574.93	1/4	1,212.21	1/4	851.19	1/4	488.14	1/4	125.09	1/4		1/4		1/4		1/4	
1/2	1,930.43	1/2	1,567.37	1/2	1,204.70	1/2	843.62	1/2	480.57	1/2	117.53	1/2		1/2		1/2		1/2	
3/4	1,922.86	3/4	1,559.80	3/4	1,197.18	3/4	836.06	3/4	473.01	3/4	110.04	3/4		3/4		3/4		3/4	
5	1,915.30	5	1,552.24	5	1,189.67	5	828.50	5	465.45	5	102.56	5		5		5		5	
1/4	1,907.74	1/4	1,544.67	1/4	1,182.16	1/4	820.93	1/4	457.88	1/4	95.07	1/4		1/4		1/4		1/4	
1/2	1,900.17	1/2	1,537.11	1/2	1,174.65	1/2	813.37	1/2	450.32	1/2	87.59	1/2		1/2		1/2		1/2	
3/4	1,892.61	3/4	1,529.55	3/4	1,167.13	3/4	805.80	3/4	442.76	3/4	80.81	3/4		3/4		3/4		3/4	
6	1,885.05	6	1,521.98	6	1,159.62	6	798.24	6	435.19	6	74.04	6		6		6		6	
1/4	1,877.48	1/4	1,514.42	1/4	1,152.11	1/4	790.68	1/4	427.63	1/4	67.26	1/4		1/4		1/4		1/4	
1/2	1,869.92	1/2	1,506.86	1/2	1,144.60	1/2	783.11	1/2	420.07	1/2	60.49	1/2		1/2		1/2		1/2	
3/4	1,862.35	3/4	1,499.29	3/4	1,137.09	3/4	775.55	3/4	412.50	3/4	54.97	3/4		3/4		3/4		3/4	
7	1,854.79	7	1,491.73	7	1,129.57	7	767.99	7	404.94	7	49.46	7		7		7		7	
1/4	1,847.23	1/4	1,484.16	1/4	1,122.06	1/4	760.42	1/4	397.38	1/4	43.94	1/4		1/4		1/4		1/4	
1/2	1,839.66	1/2	1,476.60	1/2	1,114.55	1/2	752.86	1/2	389.81	1/2	38.43	1/2		1/2		1/2		1/2	
3/4	1,832.10	3/4	1,469.04	3/4	1,107.04	3/4	745.30	3/4	382.25	3/4	34.17	3/4		3/4		3/4		3/4	
8	1,824.54	8	1,461.47	8	1,099.53	8	737.73	8	374.69	8	29.92	8		8		8		8	
1/4	1,816.97	1/4	1,453.91	1/4	1,092.01	1/4	730.17	1/4	367.12	1/4	25.67	1/4		1/4		1/4		1/4	
1/2	1,809.41	1/2	1,446.35	1/2	1,084.50	1/2	722.61	1/2	359.56	1/2	21.42	1/2		1/2		1/2		1/2	
3/4	1,801.84	3/4	1,438.78	3/4	1,076.99	3/4	715.04	3/4	351.99	3/4		3/4		3/4		3/4		3/4	
9	1,794.28	9	1,431.22	9	1,069.48	9	707.48	9	344.43	9		9		9		9		9	
1/4	1,786.72	1/4	1,423.65	1/4	1,061.97	1/4	699.92	1/4	336.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,779.15	1/2	1,416.09	1/2	1,054.45	1/2	692.35	1/2	329.30	1/2		1/2		1/2		1/2		1/2	
3/4	1,771.59	3/4	1,408.53	3/4	1,046.94	3/4	684.79	3/4	321.74	3/4		3/4		3/4		3/4		3/4	
10	1,764.03	10	1,400.96	10	1,039.43	10	677.23	10	314.18	10		10		10		10		10	
1/4	1,756.46	1/4	1,393.40	1/4	1,031.92	1/4	669.66	1/4	306.61	1/4		1/4		1/4		1/4		1/4	
1/2	1,748.90	1/2	1,385.84	1/2	1,024.40	1/2	662.10	1/2	299.05	1/2		1/2		1/2		1/2		1/2	
3/4	1,741.33	3/4	1,378.27	3/4	1,016.89	3/4	654.53	3/4	291.49	3/4		3/4		3/4		3/4		3/4	
11	1,733.77	11	1,370.71	11	1,009.38	11	646.97	11	283.92	11		11		11		11		11	
1/4	1,726.21	1/4	1,363.14	1/4	1,001.87	1/4	639.41	1/4	276.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,718.64	1/2	1,355.58	1/2	994.36	1/2	631.84	1/2	268.80	1/2		1/2		1/2		1/2		1/2	
3/4	1,711.08	3/4	1,348.02	3/4	986.84	3/4	624.28	3/4	261.23	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2020 CL
CALCULATED: 08/08/2020 CL
PRINTED: 08/08/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 525"

2 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

HULL # C-1271

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,913.16	0	4,581.84	0	4,236.40	0	3,878.03	0	3,515.59	0	3,153.16	0	2,790.73	0	2,428.22
1/4		1/4		1/4	4,906.40	1/4	4,574.78	1/4	4,229.07	1/4	3,870.48	1/4	3,508.04	1/4	3,145.61	1/4	2,783.18	1/4	2,420.66
1/2		1/2	5,212.40	1/2	4,899.65	1/2	4,567.73	1/2	4,221.73	1/2	3,862.93	1/2	3,500.49	1/2	3,138.06	1/2	2,775.63	1/2	2,413.11
3/4		3/4	5,207.28	3/4	4,892.87	3/4	4,560.64	3/4	4,214.38	3/4	3,855.38	3/4	3,492.94	3/4	3,130.51	3/4	2,768.07	3/4	2,405.55
1		1	5,202.16	1	4,886.10	1	4,553.56	1	4,207.02	1	3,847.82	1	3,485.39	1	3,122.96	1	2,760.52	1	2,398.00
1/4		1/4	5,197.05	1/4	4,879.32	1/4	4,546.48	1/4	4,199.66	1/4	3,840.27	1/4	3,477.84	1/4	3,115.41	1/4	2,752.97	1/4	2,390.45
1/2		1/2	5,191.93	1/2	4,872.55	1/2	4,539.40	1/2	4,192.30	1/2	3,832.72	1/2	3,470.29	1/2	3,107.86	1/2	2,745.42	1/2	2,382.89
3/4		3/4	5,185.60	3/4	4,865.75	3/4	4,532.30	3/4	4,184.92	3/4	3,825.17	3/4	3,462.74	3/4	3,100.31	3/4	2,737.87	3/4	2,375.34
2		2	5,179.27	2	4,858.95	2	4,525.19	2	4,177.54	2	3,817.62	2	3,455.19	2	3,092.75	2	2,730.32	2	2,367.79
1/4		1/4	5,172.94	1/4	4,852.15	1/4	4,518.09	1/4	4,170.16	1/4	3,810.07	1/4	3,447.64	1/4	3,085.20	1/4	2,722.77	1/4	2,360.23
1/2		1/2	5,166.61	1/2	4,845.35	1/2	4,510.98	1/2	4,162.78	1/2	3,802.52	1/2	3,440.09	1/2	3,077.65	1/2	2,715.22	1/2	2,352.68
3/4		3/4	5,159.41	3/4	4,838.53	3/4	4,503.85	3/4	4,155.38	3/4	3,794.97	3/4	3,432.54	3/4	3,070.10	3/4	2,707.67	3/4	2,345.13
3		3	5,152.22	3	4,831.71	3	4,496.73	3	4,147.97	3	3,787.42	3	3,424.99	3	3,062.55	3	2,700.12	3	2,337.57
1/4		1/4	5,145.02	1/4	4,824.88	1/4	4,489.60	1/4	4,140.57	1/4	3,779.87	1/4	3,417.43	1/4	3,055.00	1/4	2,692.57	1/4	2,330.02
1/2		1/2	5,137.83	1/2	4,818.06	1/2	4,482.47	1/2	4,133.16	1/2	3,772.32	1/2	3,409.88	1/2	3,047.45	1/2	2,685.02	1/2	2,322.47
3/4		3/4	5,131.33	3/4	4,811.22	3/4	4,475.32	3/4	4,125.74	3/4	3,764.77	3/4	3,402.33	3/4	3,039.90	3/4	2,677.47	3/4	2,314.91
4		4	5,124.83	4	4,804.37	4	4,468.17	4	4,118.31	4	3,757.22	4	3,394.78	4	3,032.35	4	2,669.92	4	2,307.36
1/4		1/4	5,118.33	1/4	4,797.53	1/4	4,461.02	1/4	4,110.88	1/4	3,749.67	1/4	3,387.23	1/4	3,024.80	1/4	2,662.36	1/4	2,299.81
1/2		1/2	5,111.83	1/2	4,790.68	1/2	4,453.87	1/2	4,103.46	1/2	3,742.11	1/2	3,379.68	1/2	3,017.25	1/2	2,654.81	1/2	2,292.25
3/4		3/4	5,105.31	3/4	4,783.81	3/4	4,446.70	3/4	4,096.01	3/4	3,734.56	3/4	3,372.13	3/4	3,009.70	3/4	2,647.26	3/4	2,284.70
5		5	5,098.79	5	4,776.95	5	4,439.52	5	4,088.56	5	3,727.01	5	3,364.58	5	3,002.15	5	2,639.71	5	2,277.15
1/4		1/4	5,092.26	1/4	4,770.08	1/4	4,432.35	1/4	4,081.11	1/4	3,719.46	1/4	3,357.03	1/4	2,994.60	1/4	2,632.16	1/4	2,269.59
1/2		1/2	5,085.74	1/2	4,763.21	1/2	4,425.17	1/2	4,073.66	1/2	3,711.91	1/2	3,349.48	1/2	2,987.04	1/2	2,624.61	1/2	2,262.04
3/4		3/4	5,079.20	3/4	4,756.32	3/4	4,417.98	3/4	4,066.18	3/4	3,704.36	3/4	3,341.93	3/4	2,979.49	3/4	2,617.05	3/4	2,254.48
6		6	5,072.65	6	4,749.43	6	4,410.78	6	4,058.71	6	3,696.81	6	3,334.38	6	2,971.94	6	2,609.50	6	2,246.93
1/4		1/4	5,066.10	1/4	4,742.54	1/4	4,403.58	1/4	4,051.24	1/4	3,689.26	1/4	3,326.83	1/4	2,964.39	1/4	2,601.95	1/4	2,239.38
1/2		1/2	5,059.56	1/2	4,735.65	1/2	4,396.39	1/2	4,043.76	1/2	3,681.71	1/2	3,319.28	1/2	2,956.84	1/2	2,594.39	1/2	2,231.82
3/4		3/4	5,052.99	3/4	4,728.73	3/4	4,389.17	3/4	4,036.27	3/4	3,674.16	3/4	3,311.72	3/4	2,949.29	3/4	2,586.84	3/4	2,224.27
7		7	5,046.42	7	4,721.81	7	4,381.95	7	4,028.77	7	3,666.61	7	3,304.17	7	2,941.74	7	2,579.29	7	2,216.72
1/4		1/4	5,039.85	1/4	4,714.89	1/4	4,374.73	1/4	4,021.28	1/4	3,659.06	1/4	3,296.62	1/4	2,934.19	1/4	2,571.73	1/4	2,209.16
1/2		1/2	5,033.29	1/2	4,707.97	1/2	4,367.51	1/2	4,013.78	1/2	3,651.51	1/2	3,289.07	1/2	2,926.64	1/2	2,564.18	1/2	2,201.61
3/4		3/4	5,026.69	3/4	4,701.01	3/4	4,360.27	3/4	4,006.26	3/4	3,643.96	3/4	3,281.52	3/4	2,919.09	3/4	2,556.62	3/4	2,194.06
8		8	5,020.10	8	4,694.04	8	4,353.02	8	3,998.74	8	3,636.40	8	3,273.97	8	2,911.54	8	2,549.07	8	2,186.50
1/4		1/4	5,013.51	1/4	4,687.07	1/4	4,345.78	1/4	3,991.22	1/4	3,628.85	1/4	3,266.42	1/4	2,903.99	1/4	2,541.52	1/4	2,178.95
1/2		1/2	5,006.92	1/2	4,680.11	1/2	4,338.54	1/2	3,983.70	1/2	3,621.30	1/2	3,258.87	1/2	2,896.44	1/2	2,533.96	1/2	2,171.40
3/4		3/4	5,000.30	3/4	4,673.12	3/4	4,331.27	3/4	3,976.16	3/4	3,613.75	3/4	3,251.32	3/4	2,888.89	3/4	2,526.41	3/4	2,163.84
9		9	4,993.67	9	4,666.13	9	4,324.01	9	3,968.62	9	3,606.20	9	3,243.77	9	2,881.33	9	2,518.86	9	2,156.29
1/4		1/4	4,987.05	1/4	4,659.14	1/4	4,316.74	1/4	3,961.08	1/4	3,598.65	1/4	3,236.22	1/4	2,873.78	1/4	2,511.30	1/4	2,148.74
1/2		1/2	4,980.43	1/2	4,652.15	1/2	4,309.48	1/2	3,953.53	1/2	3,591.10	1/2	3,228.67	1/2	2,866.23	1/2	2,503.75	1/2	2,141.18
3/4		3/4	4,973.72	3/4	4,645.14	3/4	4,302.19	3/4	3,945.98	3/4	3,583.55	3/4	3,221.12	3/4	2,858.68	3/4	2,496.20	3/4	2,133.63
10		10	4,967.01	10	4,638.13	10	4,294.90	10	3,938.43	10	3,576.00	10	3,213.57	10	2,851.13	10	2,488.64	10	2,126.08
1/4		1/4	4,960.30	1/4	4,631.11	1/4	4,287.61	1/4	3,930.88	1/4	3,568.45	1/4	3,206.01	1/4	2,843.58	1/4	2,481.09	1/4	2,118.52
1/2		1/2	4,953.59	1/2	4,624.10	1/2	4,280.32	1/2	3,923.33	1/2	3,560.90	1/2	3,198.46	1/2	2,836.03	1/2	2,473.54	1/2	2,110.97
3/4		3/4	4,946.86	3/4	4,617.07	3/4	4,273.01	3/4	3,915.78	3/4	3,553.35	3/4	3,190.91	3/4	2,828.48	3/4	2,465.98	3/4	2,103.41
11		11	4,940.13	11	4,610.03	11	4,265.70	11	3,908.23	11	3,545.80	11	3,183.36	11	2,820.93	11	2,458.43	11	2,095.86
1/4		1/4	4,933.39	1/4	4,603.00	1/4	4,258.39	1/4	3,900.68	1/4	3,538.25	1/4	3,175.81	1/4	2,813.38	1/4	2,450.88	1/4	2,088.31
1/2		1/2	4,926.66	1/2	4,595.96	1/2	4,251.07	1/2	3,893.13	1/2	3,530.70	1/2	3,168.26	1/2	2,805.83	1/2	2,443.32	1/2	2,080.75
3/4		3/4	4,919.91	3/4	4,588.90	3/4	4,243.74	3/4	3,885.58	3/4	3,523.14	3/4	3,160.71	3/4	2,798.28	3/4	2,435.77	3/4	2,073.20

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" DIAMETER "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 525"

2 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

HULL # C-1271

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,065.65	0	1,703.08	0	1,340.51	0	978.37	0	615.88	0	253.32	0		0		0		0	
1/4	2,058.09	1/4	1,695.53	1/4	1,332.96	1/4	970.83	1/4	608.32	1/4	245.77	1/4		1/4		1/4		1/4	
1/2	2,050.54	1/2	1,687.97	1/2	1,325.40	1/2	963.29	1/2	600.77	1/2	238.22	1/2		1/2		1/2		1/2	
3/4	2,042.99	3/4	1,680.42	3/4	1,317.85	3/4	955.74	3/4	593.22	3/4	230.66	3/4		3/4		3/4		3/4	
1	2,035.43	1	1,672.87	1	1,310.30	1	948.20	1	585.66	1	223.11	1		1		1		1	
1/4	2,027.88	1/4	1,665.31	1/4	1,302.74	1/4	940.66	1/4	578.11	1/4	215.56	1/4		1/4		1/4		1/4	
1/2	2,020.33	1/2	1,657.76	1/2	1,295.19	1/2	933.11	1/2	570.56	1/2	208.00	1/2		1/2		1/2		1/2	
3/4	2,012.77	3/4	1,650.20	3/4	1,287.64	3/4	925.56	3/4	563.01	3/4	200.45	3/4		3/4		3/4		3/4	
2	2,005.22	2	1,642.65	2	1,280.08	2	918.01	2	555.45	2	192.90	2		2		2		2	
1/4	1,997.67	1/4	1,635.10	1/4	1,272.53	1/4	910.45	1/4	547.90	1/4	185.35	1/4		1/4		1/4		1/4	
1/2	1,990.11	1/2	1,627.54	1/2	1,264.98	1/2	902.90	1/2	540.35	1/2	177.79	1/2		1/2		1/2		1/2	
3/4	1,982.56	3/4	1,619.99	3/4	1,257.42	3/4	895.35	3/4	532.79	3/4	170.24	3/4		3/4		3/4		3/4	
3	1,975.01	3	1,612.44	3	1,249.87	3	887.79	3	525.24	3	162.69	3		3		3		3	
1/4	1,967.45	1/4	1,604.88	1/4	1,242.32	1/4	880.24	1/4	517.69	1/4	155.13	1/4		1/4		1/4		1/4	
1/2	1,959.90	1/2	1,597.33	1/2	1,234.77	1/2	872.69	1/2	510.13	1/2	147.58	1/2		1/2		1/2		1/2	
3/4	1,952.34	3/4	1,589.78	3/4	1,227.23	3/4	865.13	3/4	502.58	3/4	140.03	3/4		3/4		3/4		3/4	
4	1,944.79	4	1,582.22	4	1,219.69	4	857.58	4	495.03	4	132.47	4		4		4		4	
1/4	1,937.24	1/4	1,574.67	1/4	1,212.14	1/4	850.03	1/4	487.47	1/4	124.92	1/4		1/4		1/4		1/4	
1/2	1,929.68	1/2	1,567.12	1/2	1,204.60	1/2	842.47	1/2	479.92	1/2	117.37	1/2		1/2		1/2		1/2	
3/4	1,922.13	3/4	1,559.56	3/4	1,197.06	3/4	834.92	3/4	472.37	3/4	109.89	3/4		3/4		3/4		3/4	
5	1,914.58	5	1,552.01	5	1,189.52	5	827.37	5	464.81	5	102.42	5		5		5		5	
1/4	1,907.02	1/4	1,544.46	1/4	1,181.98	1/4	819.81	1/4	457.26	1/4	94.94	1/4		1/4		1/4		1/4	
1/2	1,899.47	1/2	1,536.90	1/2	1,174.44	1/2	812.26	1/2	449.71	1/2	87.47	1/2		1/2		1/2		1/2	
3/4	1,891.92	3/4	1,529.35	3/4	1,166.90	3/4	804.71	3/4	442.15	3/4	80.70	3/4		3/4		3/4		3/4	
6	1,884.36	6	1,521.80	6	1,159.36	6	797.15	6	434.60	6	73.94	6		6		6		6	
1/4	1,876.81	1/4	1,514.24	1/4	1,151.82	1/4	789.60	1/4	427.05	1/4	67.17	1/4		1/4		1/4		1/4	
1/2	1,869.26	1/2	1,506.69	1/2	1,144.27	1/2	782.05	1/2	419.49	1/2	60.40	1/2		1/2		1/2		1/2	
3/4	1,861.70	3/4	1,499.13	3/4	1,136.73	3/4	774.49	3/4	411.94	3/4	54.90	3/4		3/4		3/4		3/4	
7	1,854.15	7	1,491.58	7	1,129.19	7	766.94	7	404.39	7	49.39	7		7		7		7	
1/4	1,846.60	1/4	1,484.03	1/4	1,121.65	1/4	759.39	1/4	396.83	1/4	43.88	1/4		1/4		1/4		1/4	
1/2	1,839.04	1/2	1,476.47	1/2	1,114.11	1/2	751.84	1/2	389.28	1/2	38.38	1/2		1/2		1/2		1/2	
3/4	1,831.49	3/4	1,468.92	3/4	1,106.57	3/4	744.28	3/4	381.73	3/4	34.13	3/4		3/4		3/4		3/4	
8	1,823.94	8	1,461.37	8	1,099.03	8	736.73	8	374.18	8	29.88	8		8		8		8	
1/4	1,816.38	1/4	1,453.81	1/4	1,091.49	1/4	729.18	1/4	366.62	1/4	25.63	1/4		1/4		1/4		1/4	
1/2	1,808.83	1/2	1,446.26	1/2	1,083.94	1/2	721.62	1/2	359.07	1/2	21.39	1/2		1/2		1/2		1/2	
3/4	1,801.27	3/4	1,438.71	3/4	1,076.40	3/4	714.07	3/4	351.52	3/4		3/4		3/4		3/4		3/4	
9	1,793.72	9	1,431.15	9	1,068.86	9	706.52	9	343.96	9		9		9		9		9	
1/4	1,786.17	1/4	1,423.60	1/4	1,061.32	1/4	698.96	1/4	336.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,778.61	1/2	1,416.05	1/2	1,053.78	1/2	691.41	1/2	328.86	1/2		1/2		1/2		1/2		1/2	
3/4	1,771.06	3/4	1,408.49	3/4	1,046.24	3/4	683.86	3/4	321.30	3/4		3/4		3/4		3/4		3/4	
10	1,763.51	10	1,400.94	10	1,038.70	10	676.30	10	313.75	10		10		10		10		10	
1/4	1,755.95	1/4	1,393.39	1/4	1,031.16	1/4	668.75	1/4	306.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,748.40	1/2	1,385.83	1/2	1,023.61	1/2	661.20	1/2	298.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,740.85	3/4	1,378.28	3/4	1,016.07	3/4	653.64	3/4	291.09	3/4		3/4		3/4		3/4		3/4	
11	1,733.29	11	1,370.73	11	1,008.53	11	646.09	11	283.54	11		11		11		11		11	
1/4	1,725.74	1/4	1,363.17	1/4	1,000.99	1/4	638.54	1/4	275.98	1/4		1/4		1/4		1/4		1/4	
1/2	1,718.19	1/2	1,355.62	1/2	993.45	1/2	630.98	1/2	268.43	1/2		1/2		1/2		1/2		1/2	
3/4	1,710.63	3/4	1,348.06	3/4	985.91	3/4	623.43	3/4	260.88	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2020 CL
CALCULATED: 08/08/2020 CL
PRINTED: 08/08/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 525"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

HULL # C-1271

GAUGE HEIGHT 15'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,889.26	0	4,557.73	0	4,212.10	0	3,853.60	0	3,491.26	0	3,128.91	0	2,766.56	0	2,404.12
1/4		1/4	5,195.17	1/4	4,882.51	1/4	4,550.67	1/4	4,204.77	1/4	3,846.06	1/4	3,483.71	1/4	3,121.36	1/4	2,759.01	1/4	2,396.57
1/2		1/2	5,190.05	1/2	4,875.73	1/2	4,543.59	1/2	4,197.42	1/2	3,838.51	1/2	3,476.16	1/2	3,113.81	1/2	2,751.47	1/2	2,389.02
3/4		3/4	5,184.94	3/4	4,868.96	3/4	4,536.51	3/4	4,190.06	3/4	3,830.96	3/4	3,468.61	3/4	3,106.26	3/4	2,743.92	3/4	2,381.47
1		1	5,179.82	1	4,862.18	1	4,529.43	1	4,182.70	1	3,823.41	1	3,461.06	1	3,098.71	1	2,736.37	1	2,373.92
1/4		1/4	5,174.71	1/4	4,855.41	1/4	4,522.36	1/4	4,175.35	1/4	3,815.86	1/4	3,453.51	1/4	3,091.17	1/4	2,728.82	1/4	2,366.37
1/2		1/2	5,168.38	1/2	4,848.61	1/2	4,515.25	1/2	4,167.97	1/2	3,808.31	1/2	3,445.96	1/2	3,083.62	1/2	2,721.27	1/2	2,358.82
3/4		3/4	5,162.05	3/4	4,841.82	3/4	4,508.15	3/4	4,160.59	3/4	3,800.76	3/4	3,438.41	3/4	3,076.07	3/4	2,713.72	3/4	2,351.26
2		2	5,155.72	2	4,835.02	2	4,501.05	2	4,153.21	2	3,793.21	2	3,430.87	2	3,068.52	2	2,706.17	2	2,343.71
1/4		1/4	5,149.39	1/4	4,828.22	1/4	4,493.94	1/4	4,145.83	1/4	3,785.66	1/4	3,423.32	1/4	3,060.97	1/4	2,698.62	1/4	2,336.16
1/2		1/2	5,142.20	1/2	4,821.40	1/2	4,486.82	1/2	4,138.43	1/2	3,778.12	1/2	3,415.77	1/2	3,053.42	1/2	2,691.07	1/2	2,328.61
3/4		3/4	5,135.00	3/4	4,814.58	3/4	4,479.69	3/4	4,131.03	3/4	3,770.57	3/4	3,408.22	3/4	3,045.87	3/4	2,683.52	3/4	2,321.06
3		3	5,127.81	3	4,807.76	3	4,472.57	3	4,123.62	3	3,763.02	3	3,400.67	3	3,038.32	3	2,675.98	3	2,313.51
1/4		1/4	5,120.61	1/4	4,800.94	1/4	4,465.44	1/4	4,116.22	1/4	3,755.47	1/4	3,393.12	1/4	3,030.77	1/4	2,668.43	1/4	2,305.95
1/2		1/2	5,114.12	1/2	4,794.10	1/2	4,458.29	1/2	4,108.80	1/2	3,747.92	1/2	3,385.57	1/2	3,023.23	1/2	2,660.88	1/2	2,298.40
3/4		3/4	5,107.62	3/4	4,787.25	3/4	4,451.14	3/4	4,101.37	3/4	3,740.37	3/4	3,378.02	3/4	3,015.68	3/4	2,653.33	3/4	2,290.85
4		4	5,101.12	4	4,780.41	4	4,444.00	4	4,093.95	4	3,732.82	4	3,370.47	4	3,008.13	4	2,645.78	4	2,283.30
1/4		1/4	5,094.62	1/4	4,773.57	1/4	4,436.85	1/4	4,086.52	1/4	3,725.27	1/4	3,362.93	1/4	3,000.58	1/4	2,638.23	1/4	2,275.75
1/2		1/2	5,088.10	1/2	4,766.70	1/2	4,429.67	1/2	4,079.07	1/2	3,717.72	1/2	3,355.38	1/2	2,993.03	1/2	2,630.68	1/2	2,268.20
3/4		3/4	5,081.58	3/4	4,759.84	3/4	4,422.50	3/4	4,071.63	3/4	3,710.18	3/4	3,347.83	3/4	2,985.48	3/4	2,623.12	3/4	2,260.64
5		5	5,075.06	5	4,752.97	5	4,415.33	5	4,064.18	5	3,702.63	5	3,340.28	5	2,977.93	5	2,615.57	5	2,253.09
1/4		1/4	5,068.54	1/4	4,746.10	1/4	4,408.16	1/4	4,056.73	1/4	3,695.08	1/4	3,332.73	1/4	2,970.38	1/4	2,608.02	1/4	2,245.54
1/2		1/2	5,062.00	1/2	4,739.21	1/2	4,400.96	1/2	4,049.26	1/2	3,687.53	1/2	3,325.18	1/2	2,962.83	1/2	2,600.47	1/2	2,237.99
3/4		3/4	5,055.46	3/4	4,732.33	3/4	4,393.77	3/4	4,041.79	3/4	3,679.98	3/4	3,317.63	3/4	2,955.29	3/4	2,592.91	3/4	2,230.44
6		6	5,048.91	6	4,725.44	6	4,386.58	6	4,034.32	6	3,672.43	6	3,310.08	6	2,947.74	6	2,585.36	6	2,222.89
1/4		1/4	5,042.37	1/4	4,718.55	1/4	4,379.38	1/4	4,026.84	1/4	3,664.88	1/4	3,302.53	1/4	2,940.19	1/4	2,577.81	1/4	2,215.33
1/2		1/2	5,035.80	1/2	4,711.63	1/2	4,372.16	1/2	4,019.35	1/2	3,657.33	1/2	3,294.99	1/2	2,932.64	1/2	2,570.26	1/2	2,207.78
3/4		3/4	5,029.24	3/4	4,704.72	3/4	4,364.95	3/4	4,011.86	3/4	3,649.78	3/4	3,287.44	3/4	2,925.09	3/4	2,562.71	3/4	2,200.23
7		7	5,022.67	7	4,697.80	7	4,357.73	7	4,004.36	7	3,642.24	7	3,279.89	7	2,917.54	7	2,555.16	7	2,192.68
1/4		1/4	5,016.10	1/4	4,690.88	1/4	4,350.51	1/4	3,996.87	1/4	3,634.69	1/4	3,272.34	1/4	2,909.99	1/4	2,547.61	1/4	2,185.13
1/2		1/2	5,009.51	1/2	4,683.92	1/2	4,343.27	1/2	3,989.35	1/2	3,627.14	1/2	3,264.79	1/2	2,902.44	1/2	2,540.05	1/2	2,177.58
3/4		3/4	5,002.92	3/4	4,676.95	3/4	4,336.03	3/4	3,981.83	3/4	3,619.59	3/4	3,257.24	3/4	2,894.89	3/4	2,532.50	3/4	2,170.03
8		8	4,996.33	8	4,669.99	8	4,328.79	8	3,974.32	8	3,612.04	8	3,249.69	8	2,887.35	8	2,524.95	8	2,162.47
1/4		1/4	4,989.75	1/4	4,663.03	1/4	4,321.55	1/4	3,966.80	1/4	3,604.49	1/4	3,242.14	1/4	2,879.80	1/4	2,517.40	1/4	2,154.92
1/2		1/2	4,983.12	1/2	4,656.04	1/2	4,314.28	1/2	3,959.26	1/2	3,596.94	1/2	3,234.59	1/2	2,872.25	1/2	2,509.85	1/2	2,147.37
3/4		3/4	4,976.50	3/4	4,649.05	3/4	4,307.02	3/4	3,951.72	3/4	3,589.39	3/4	3,227.05	3/4	2,864.70	3/4	2,502.30	3/4	2,139.82
9		9	4,969.88	9	4,642.06	9	4,299.75	9	3,944.18	9	3,581.84	9	3,219.50	9	2,857.15	9	2,494.74	9	2,132.27
1/4		1/4	4,963.26	1/4	4,635.08	1/4	4,292.49	1/4	3,936.64	1/4	3,574.30	1/4	3,211.95	1/4	2,849.60	1/4	2,487.19	1/4	2,124.72
1/2		1/2	4,956.55	1/2	4,628.07	1/2	4,285.20	1/2	3,929.09	1/2	3,566.75	1/2	3,204.40	1/2	2,842.05	1/2	2,479.64	1/2	2,117.16
3/4		3/4	4,949.84	3/4	4,621.05	3/4	4,277.92	3/4	3,921.54	3/4	3,559.20	3/4	3,196.85	3/4	2,834.50	3/4	2,472.09	3/4	2,109.61
10		10	4,943.14	10	4,614.04	10	4,270.63	10	3,914.00	10	3,551.65	10	3,189.30	10	2,826.95	10	2,464.54	10	2,102.06
1/4		1/4	4,936.43	1/4	4,607.03	1/4	4,263.34	1/4	3,906.45	1/4	3,544.10	1/4	3,181.75	1/4	2,819.41	1/4	2,456.99	1/4	2,094.51
1/2		1/2	4,929.70	1/2	4,600.00	1/2	4,256.03	1/2	3,898.90	1/2	3,536.55	1/2	3,174.20	1/2	2,811.86	1/2	2,449.43	1/2	2,086.96
3/4		3/4	4,922.97	3/4	4,592.97	3/4	4,248.72	3/4	3,891.35	3/4	3,529.00	3/4	3,166.65	3/4	2,804.31	3/4	2,441.88	3/4	2,079.41
11		11	4,916.24	11	4,585.93	11	4,241.41	11	3,883.80	11	3,521.45	11	3,159.11	11	2,796.76	11	2,434.33	11	2,071.85
1/4		1/4	4,909.51	1/4	4,578.90	1/4	4,234.10	1/4	3,876.25	1/4	3,513.90	1/4	3,151.56	1/4	2,789.21	1/4	2,426.78	1/4	2,064.30
1/2		1/2	4,902.76	1/2	4,571.84	1/2	4,226.77	1/2	3,868.70	1/2	3,506.36	1/2	3,144.01	1/2	2,781.66	1/2	2,419.23	1/2	2,056.75
3/4		3/4	4,896.01	3/4	4,564.79	3/4	4,219.44	3/4	3,861.15	3/4	3,498.81	3/4	3,136.46	3/4	2,774.11	3/4	2,411.68	3/4	2,049.20

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" DIAMETER "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 525"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

HULL # C-1271

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,041.65	0	1,679.17	0	1,316.69	0	967.77	0	608.18	0	245.71	0		0		0		0	
1/4	2,034.10	1/4	1,671.62	1/4	1,309.14	1/4	960.56	1/4	600.63	1/4	238.16	1/4		1/4		1/4		1/4	
1/2	2,026.54	1/2	1,664.07	1/2	1,301.59	1/2	953.35	1/2	593.08	1/2	230.61	1/2		1/2		1/2		1/2	
3/4	2,018.99	3/4	1,656.52	3/4	1,294.04	3/4	946.14	3/4	585.53	3/4	223.06	3/4		3/4		3/4		3/4	
1	2,011.44	1	1,648.96	1	1,286.49	1	938.94	1	577.97	1	215.51	1		1		1		1	
1/4	2,003.89	1/4	1,641.41	1/4	1,278.94	1/4	931.73	1/4	570.42	1/4	207.96	1/4		1/4		1/4		1/4	
1/2	1,996.34	1/2	1,633.86	1/2	1,271.43	1/2	924.47	1/2	562.87	1/2	200.40	1/2		1/2		1/2		1/2	
3/4	1,988.79	3/4	1,626.31	3/4	1,263.92	3/4	917.21	3/4	555.32	3/4	192.85	3/4		3/4		3/4		3/4	
2	1,981.24	2	1,618.76	2	1,256.41	2	909.94	2	547.77	2	185.30	2		2		2		2	
1/4	1,973.68	1/4	1,611.21	1/4	1,248.90	1/4	902.68	1/4	540.22	1/4	177.75	1/4		1/4		1/4		1/4	
1/2	1,966.13	1/2	1,603.66	1/2	1,241.68	1/2	895.13	1/2	532.67	1/2	170.20	1/2		1/2		1/2		1/2	
3/4	1,958.58	3/4	1,596.10	3/4	1,234.46	3/4	887.58	3/4	525.11	3/4	162.65	3/4		3/4		3/4		3/4	
3	1,951.03	3	1,588.55	3	1,227.24	3	880.03	3	517.56	3	155.10	3		3		3		3	
1/4	1,943.48	1/4	1,581.00	1/4	1,220.02	1/4	872.48	1/4	510.01	1/4	147.54	1/4		1/4		1/4		1/4	
1/2	1,935.93	1/2	1,573.45	1/2	1,212.82	1/2	864.93	1/2	502.46	1/2	139.99	1/2		1/2		1/2		1/2	
3/4	1,928.37	3/4	1,565.90	3/4	1,205.61	3/4	857.38	3/4	494.91	3/4	132.44	3/4		3/4		3/4		3/4	
4	1,920.82	4	1,558.35	4	1,198.40	4	849.82	4	487.36	4	124.89	4		4		4		4	
1/4	1,913.27	1/4	1,550.79	1/4	1,191.19	1/4	842.27	1/4	479.81	1/4	117.34	1/4		1/4		1/4		1/4	
1/2	1,905.72	1/2	1,543.24	1/2	1,183.99	1/2	834.72	1/2	472.25	1/2	109.87	1/2		1/2		1/2		1/2	
3/4	1,898.17	3/4	1,535.69	3/4	1,176.78	3/4	827.17	3/4	464.70	3/4	102.39	3/4		3/4		3/4		3/4	
5	1,890.62	5	1,528.14	5	1,169.57	5	819.62	5	457.15	5	94.92	5		5		5		5	
1/4	1,883.06	1/4	1,520.59	1/4	1,162.37	1/4	812.07	1/4	449.60	1/4	87.45	1/4		1/4		1/4		1/4	
1/2	1,875.51	1/2	1,513.04	1/2	1,155.16	1/2	804.52	1/2	442.05	1/2	80.68	1/2		1/2		1/2		1/2	
3/4	1,867.96	3/4	1,505.48	3/4	1,147.95	3/4	796.96	3/4	434.50	3/4	73.92	3/4		3/4		3/4		3/4	
6	1,860.41	6	1,497.93	6	1,140.74	6	789.41	6	426.95	6	67.15	6		6		6		6	
1/4	1,852.86	1/4	1,490.38	1/4	1,133.54	1/4	781.86	1/4	419.39	1/4	60.39	1/4		1/4		1/4		1/4	
1/2	1,845.31	1/2	1,482.83	1/2	1,126.33	1/2	774.31	1/2	411.84	1/2	54.88	1/2		1/2		1/2		1/2	
3/4	1,837.75	3/4	1,475.28	3/4	1,119.12	3/4	766.76	3/4	404.29	3/4	49.38	3/4		3/4		3/4		3/4	
7	1,830.20	7	1,467.73	7	1,111.91	7	759.21	7	396.74	7	43.87	7		7		7		7	
1/4	1,822.65	1/4	1,460.17	1/4	1,104.71	1/4	751.66	1/4	389.19	1/4	38.37	1/4		1/4		1/4		1/4	
1/2	1,815.10	1/2	1,452.62	1/2	1,097.50	1/2	744.10	1/2	381.64	1/2	34.12	1/2		1/2		1/2		1/2	
3/4	1,807.55	3/4	1,445.07	3/4	1,090.29	3/4	736.55	3/4	374.09	3/4	29.87	3/4		3/4		3/4		3/4	
8	1,800.00	8	1,437.52	8	1,083.09	8	729.00	8	366.53	8	25.63	8		8		8		8	
1/4	1,792.45	1/4	1,429.97	1/4	1,075.88	1/4	721.45	1/4	358.98	1/4	21.38	1/4		1/4		1/4		1/4	
1/2	1,784.89	1/2	1,422.42	1/2	1,068.67	1/2	713.90	1/2	351.43	1/2		1/2		1/2		1/2		1/2	
3/4	1,777.34	3/4	1,414.87	3/4	1,061.46	3/4	706.35	3/4	343.88	3/4		3/4		3/4		3/4		3/4	
9	1,769.79	9	1,407.31	9	1,054.26	9	698.80	9	336.33	9		9		9		9		9	
1/4	1,762.24	1/4	1,399.76	1/4	1,047.05	1/4	691.24	1/4	328.78	1/4		1/4		1/4		1/4		1/4	
1/2	1,754.69	1/2	1,392.21	1/2	1,039.84	1/2	683.69	1/2	321.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,747.14	3/4	1,384.66	3/4	1,032.63	3/4	676.14	3/4	313.67	3/4		3/4		3/4		3/4		3/4	
10	1,739.58	10	1,377.11	10	1,025.43	10	668.59	10	306.12	10		10		10		10		10	
1/4	1,732.03	1/4	1,369.56	1/4	1,018.22	1/4	661.04	1/4	298.57	1/4		1/4		1/4		1/4		1/4	
1/2	1,724.48	1/2	1,362.00	1/2	1,011.01	1/2	653.49	1/2	291.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,716.93	3/4	1,354.45	3/4	1,003.80	3/4	645.94	3/4	283.47	3/4		3/4		3/4		3/4		3/4	
11	1,709.38	11	1,346.90	11	996.60	11	638.38	11	275.92	11		11		11		11		11	
1/4	1,701.83	1/4	1,339.35	1/4	989.39	1/4	630.83	1/4	268.37	1/4		1/4		1/4		1/4		1/4	
1/2	1,694.27	1/2	1,331.80	1/2	982.18	1/2	623.28	1/2	260.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,686.72	3/4	1,324.25	3/4	974.98	3/4	615.73	3/4	253.26	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2020 CL
CALCULATED: 08/08/2020 CL
PRINTED: 08/08/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 525"

3 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

HULL # C-1271

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,251.59	0	4,074.15	0	3,889.17	0	3,697.28	0	3,494.62	0	3,135.95	0	2,776.02	0	2,415.47
1/4		1/4		1/4	4,247.97	1/4	4,070.37	1/4	3,885.25	1/4	3,693.24	1/4	3,487.15	1/4	3,128.46	1/4	2,768.51	1/4	2,407.96
1/2		1/2	4,405.18	1/2	4,244.35	1/2	4,066.59	1/2	3,881.32	1/2	3,689.20	1/2	3,479.67	1/2	3,120.96	1/2	2,761.00	1/2	2,400.45
3/4		3/4	4,403.52	3/4	4,240.72	3/4	4,062.79	3/4	3,877.38	3/4	3,685.15	3/4	3,472.19	3/4	3,113.46	3/4	2,753.49	3/4	2,392.94
1		1	4,401.87	1	4,237.09	1	4,059.00	1	3,873.44	1	3,681.11	1	3,464.71	1	3,105.96	1	2,745.98	1	2,385.43
1/4		1/4	4,400.21	1/4	4,233.47	1/4	4,055.21	1/4	3,869.50	1/4	3,677.07	1/4	3,457.23	1/4	3,098.46	1/4	2,738.47	1/4	2,377.91
1/2		1/2	4,398.56	1/2	4,229.84	1/2	4,051.42	1/2	3,865.56	1/2	3,673.03	1/2	3,449.75	1/2	3,090.97	1/2	2,730.96	1/2	2,370.40
3/4		3/4	4,395.68	3/4	4,226.19	3/4	4,047.61	3/4	3,861.61	3/4	3,668.98	3/4	3,442.27	3/4	3,083.47	3/4	2,723.44	3/4	2,362.89
2		2	4,392.81	2	4,222.55	2	4,043.81	2	3,857.66	2	3,664.94	2	3,434.79	2	3,075.97	2	2,715.93	2	2,355.38
1/4		1/4	4,389.93	1/4	4,218.91	1/4	4,040.01	1/4	3,853.70	1/4	3,660.90	1/4	3,427.31	1/4	3,068.47	1/4	2,708.42	1/4	2,347.87
1/2		1/2	4,387.05	1/2	4,215.27	1/2	4,036.20	1/2	3,849.75	1/2	3,656.85	1/2	3,419.83	1/2	3,060.98	1/2	2,700.91	1/2	2,340.35
3/4		3/4	4,383.26	3/4	4,211.61	3/4	4,032.38	3/4	3,845.79	3/4	3,652.81	3/4	3,412.35	3/4	3,053.48	3/4	2,693.40	3/4	2,332.84
3		3	4,379.47	3	4,207.96	3	4,028.57	3	3,841.82	3	3,648.77	3	3,404.88	3	3,045.98	3	2,685.89	3	2,325.33
1/4		1/4	4,375.68	1/4	4,204.31	1/4	4,024.75	1/4	3,837.86	1/4	3,644.72	1/4	3,397.40	1/4	3,038.48	1/4	2,678.38	1/4	2,317.82
1/2		1/2	4,371.89	1/2	4,200.65	1/2	4,020.93	1/2	3,833.89	1/2	3,640.68	1/2	3,389.92	1/2	3,030.98	1/2	2,670.87	1/2	2,310.31
3/4		3/4	4,368.41	3/4	4,196.99	3/4	4,017.11	3/4	3,829.92	3/4	3,636.64	3/4	3,382.44	3/4	3,023.49	3/4	2,663.36	3/4	2,302.79
4		4	4,364.93	4	4,193.32	4	4,013.28	4	3,825.94	4	3,632.59	4	3,374.96	4	3,015.99	4	2,655.85	4	2,295.28
1/4		1/4	4,361.45	1/4	4,189.65	1/4	4,009.45	1/4	3,821.96	1/4	3,628.55	1/4	3,367.48	1/4	3,008.49	1/4	2,648.34	1/4	2,287.77
1/2		1/2	4,357.97	1/2	4,185.99	1/2	4,005.62	1/2	3,817.99	1/2	3,624.51	1/2	3,360.00	1/2	3,000.99	1/2	2,640.83	1/2	2,280.26
3/4		3/4	4,354.48	3/4	4,182.31	3/4	4,001.78	3/4	3,814.00	3/4	3,620.47	3/4	3,352.52	3/4	2,993.50	3/4	2,633.32	3/4	2,272.75
5		5	4,350.99	5	4,178.63	5	3,997.94	5	3,810.01	5	3,616.42	5	3,345.05	5	2,986.00	5	2,625.81	5	2,265.23
1/4		1/4	4,347.49	1/4	4,174.95	1/4	3,994.10	1/4	3,806.02	1/4	3,612.38	1/4	3,337.57	1/4	2,978.50	1/4	2,618.30	1/4	2,257.72
1/2		1/2	4,344.00	1/2	4,171.27	1/2	3,990.25	1/2	3,802.03	1/2	3,608.34	1/2	3,330.09	1/2	2,971.00	1/2	2,610.79	1/2	2,250.21
3/4		3/4	4,340.50	3/4	4,167.58	3/4	3,986.40	3/4	3,798.03	3/4	3,604.29	3/4	3,322.63	3/4	2,963.50	3/4	2,603.27	3/4	2,242.70
6		6	4,336.99	6	4,163.89	6	3,982.55	6	3,794.03	6	3,600.25	6	3,315.16	6	2,956.01	6	2,595.76	6	2,235.19
1/4		1/4	4,333.49	1/4	4,160.20	1/4	3,978.69	1/4	3,790.02	1/4	3,596.21	1/4	3,307.70	1/4	2,948.51	1/4	2,588.25	1/4	2,227.67
1/2		1/2	4,329.98	1/2	4,156.51	1/2	3,974.84	1/2	3,786.02	1/2	3,592.16	1/2	3,300.24	1/2	2,941.01	1/2	2,580.74	1/2	2,220.16
3/4		3/4	4,326.47	3/4	4,152.80	3/4	3,970.97	3/4	3,782.01	3/4	3,588.12	3/4	3,292.77	3/4	2,933.51	3/4	2,573.23	3/4	2,212.65
7		7	4,322.95	7	4,149.10	7	3,967.11	7	3,778.00	7	3,584.08	7	3,285.31	7	2,926.01	7	2,565.71	7	2,205.14
1/4		1/4	4,319.43	1/4	4,145.39	1/4	3,963.24	1/4	3,773.98	1/4	3,580.03	1/4	3,277.85	1/4	2,918.52	1/4	2,558.20	1/4	2,197.63
1/2		1/2	4,315.91	1/2	4,141.69	1/2	3,959.38	1/2	3,769.97	1/2	3,575.99	1/2	3,270.38	1/2	2,911.02	1/2	2,550.69	1/2	2,190.11
3/4		3/4	4,312.39	3/4	4,137.95	3/4	3,955.50	3/4	3,765.94	3/4	3,571.95	3/4	3,262.92	3/4	2,903.52	3/4	2,543.18	3/4	2,182.60
8		8	4,308.86	8	4,134.22	8	3,951.62	8	3,761.92	8	3,567.91	8	3,255.46	8	2,896.02	8	2,535.67	8	2,175.09
1/4		1/4	4,305.33	1/4	4,130.49	1/4	3,947.74	1/4	3,757.89	1/4	3,563.86	1/4	3,247.99	1/4	2,888.53	1/4	2,528.15	1/4	2,167.58
1/2		1/2	4,301.80	1/2	4,126.76	1/2	3,943.86	1/2	3,753.86	1/2	3,559.82	1/2	3,240.53	1/2	2,881.03	1/2	2,520.64	1/2	2,160.07
3/4		3/4	4,298.25	3/4	4,123.02	3/4	3,939.97	3/4	3,749.83	3/4	3,555.78	3/4	3,233.07	3/4	2,873.53	3/4	2,513.13	3/4	2,152.55
9		9	4,294.70	9	4,119.28	9	3,936.08	9	3,745.79	9	3,551.73	9	3,225.60	9	2,866.03	9	2,505.62	9	2,145.04
1/4		1/4	4,291.16	1/4	4,115.54	1/4	3,932.19	1/4	3,741.75	1/4	3,547.69	1/4	3,218.14	1/4	2,858.53	1/4	2,498.11	1/4	2,137.53
1/2		1/2	4,287.61	1/2	4,111.79	1/2	3,928.30	1/2	3,737.72	1/2	3,543.65	1/2	3,210.68	1/2	2,851.04	1/2	2,490.59	1/2	2,130.02
3/4		3/4	4,284.02	3/4	4,108.04	3/4	3,924.40	3/4	3,733.67	3/4	3,539.60	3/4	3,203.21	3/4	2,843.54	3/4	2,483.08	3/4	2,122.51
10		10	4,280.43	10	4,104.28	10	3,920.50	10	3,729.63	10	3,535.56	10	3,195.75	10	2,836.04	10	2,475.57	10	2,114.99
1/4		1/4	4,276.83	1/4	4,100.53	1/4	3,916.59	1/4	3,725.59	1/4	3,531.52	1/4	3,188.28	1/4	2,828.54	1/4	2,468.06	1/4	2,107.48
1/2		1/2	4,273.24	1/2	4,096.77	1/2	3,912.69	1/2	3,721.54	1/2	3,527.47	1/2	3,180.82	1/2	2,821.05	1/2	2,460.55	1/2	2,099.97
3/4		3/4	4,269.64	3/4	4,093.01	3/4	3,908.77	3/4	3,717.50	3/4	3,523.00	3/4	3,173.35	3/4	2,813.55	3/4	2,453.03	3/4	2,092.46
11		11	4,266.03	11	4,089.24	11	3,904.86	11	3,713.46	11	3,518.53	11	3,165.89	11	2,806.05	11	2,445.52	11	2,084.95
1/4		1/4	4,262.43	1/4	4,085.47	1/4	3,900.94	1/4	3,709.41	1/4	3,514.06	1/4	3,158.42	1/4	2,798.55	1/4	2,438.01	1/4	2,077.43
1/2		1/2	4,258.82	1/2	4,081.70	1/2	3,897.03	1/2	3,705.37	1/2	3,509.58	1/2	3,150.95	1/2	2,791.05	1/2	2,430.50	1/2	2,069.92
3/4		3/4	4,255.20	3/4	4,077.92	3/4	3,893.10	3/4	3,701.33	3/4	3,502.10	3/4	3,143.45	3/4	2,783.53	3/4	2,422.99	3/4	2,062.41

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" DIAMETER "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 525"

3 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

HULL # C-1271

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,054.89	0	1,694.23	0	1,333.58	0	973.22	0	612.64	0	251.99	0		0		0		0	
1/4	2,047.38	1/4	1,686.72	1/4	1,326.06	1/4	965.71	1/4	605.12	1/4	244.48	1/4		1/4		1/4		1/4	
1/2	2,039.86	1/2	1,679.21	1/2	1,318.55	1/2	958.21	1/2	597.61	1/2	236.97	1/2		1/2		1/2		1/2	
3/4	2,032.35	3/4	1,671.69	3/4	1,311.03	3/4	950.70	3/4	590.10	3/4	229.45	3/4		3/4		3/4		3/4	
1	2,024.84	1	1,664.18	1	1,303.52	1	943.20	1	582.58	1	221.94	1		1		1		1	
1/4	2,017.32	1/4	1,656.66	1/4	1,296.01	1/4	935.69	1/4	575.07	1/4	214.43	1/4		1/4		1/4		1/4	
1/2	2,009.81	1/2	1,649.15	1/2	1,288.49	1/2	928.19	1/2	567.56	1/2	206.91	1/2		1/2		1/2		1/2	
3/4	2,002.30	3/4	1,641.64	3/4	1,280.98	3/4	920.68	3/4	560.04	3/4	199.40	3/4		3/4		3/4		3/4	
2	1,994.78	2	1,634.12	2	1,273.47	2	913.17	2	552.53	2	191.89	2		2		2		2	
1/4	1,987.27	1/4	1,626.61	1/4	1,265.95	1/4	905.66	1/4	545.02	1/4	184.37	1/4		1/4		1/4		1/4	
1/2	1,979.75	1/2	1,619.10	1/2	1,258.44	1/2	898.15	1/2	537.50	1/2	176.86	1/2		1/2		1/2		1/2	
3/4	1,972.24	3/4	1,611.58	3/4	1,250.93	3/4	890.63	3/4	529.99	3/4	169.35	3/4		3/4		3/4		3/4	
3	1,964.73	3	1,604.07	3	1,243.41	3	883.12	3	522.48	3	161.83	3		3		3		3	
1/4	1,957.21	1/4	1,596.56	1/4	1,235.90	1/4	875.61	1/4	514.96	1/4	154.32	1/4		1/4		1/4		1/4	
1/2	1,949.70	1/2	1,589.04	1/2	1,228.39	1/2	868.09	1/2	507.45	1/2	146.81	1/2		1/2		1/2		1/2	
3/4	1,942.19	3/4	1,581.53	3/4	1,220.88	3/4	860.58	3/4	499.94	3/4	139.29	3/4		3/4		3/4		3/4	
4	1,934.67	4	1,574.01	4	1,213.36	4	853.07	4	492.42	4	131.78	4		4		4		4	
1/4	1,927.16	1/4	1,566.50	1/4	1,205.85	1/4	845.55	1/4	484.91	1/4	124.27	1/4		1/4		1/4		1/4	
1/2	1,919.64	1/2	1,558.99	1/2	1,198.34	1/2	838.04	1/2	477.40	1/2	116.75	1/2		1/2		1/2		1/2	
3/4	1,912.13	3/4	1,551.47	3/4	1,190.84	3/4	830.53	3/4	469.88	3/4	109.32	3/4		3/4		3/4		3/4	
5	1,904.62	5	1,543.96	5	1,183.34	5	823.01	5	462.37	5	101.88	5		5		5		5	
1/4	1,897.10	1/4	1,536.45	1/4	1,175.83	1/4	815.50	1/4	454.86	1/4	94.45	1/4		1/4		1/4		1/4	
1/2	1,889.59	1/2	1,528.93	1/2	1,168.33	1/2	807.99	1/2	447.34	1/2	87.01	1/2		1/2		1/2		1/2	
3/4	1,882.08	3/4	1,521.42	3/4	1,160.82	3/4	800.47	3/4	439.83	3/4	80.28	3/4		3/4		3/4		3/4	
6	1,874.56	6	1,513.90	6	1,153.32	6	792.96	6	432.32	6	73.55	6		6		6		6	
1/4	1,867.05	1/4	1,506.39	1/4	1,145.81	1/4	785.45	1/4	424.80	1/4	66.82	1/4		1/4		1/4		1/4	
1/2	1,859.53	1/2	1,498.88	1/2	1,138.31	1/2	777.93	1/2	417.29	1/2	60.09	1/2		1/2		1/2		1/2	
3/4	1,852.02	3/4	1,491.36	3/4	1,130.81	3/4	770.42	3/4	409.78	3/4	54.61	3/4		3/4		3/4		3/4	
7	1,844.51	7	1,483.85	7	1,123.30	7	762.91	7	402.26	7	49.13	7		7		7		7	
1/4	1,836.99	1/4	1,476.34	1/4	1,115.80	1/4	755.39	1/4	394.75	1/4	43.66	1/4		1/4		1/4		1/4	
1/2	1,829.48	1/2	1,468.82	1/2	1,108.29	1/2	747.88	1/2	387.24	1/2	38.18	1/2		1/2		1/2		1/2	
3/4	1,821.97	3/4	1,461.31	3/4	1,100.79	3/4	740.37	3/4	379.72	3/4	33.95	3/4		3/4		3/4		3/4	
8	1,814.45	8	1,453.80	8	1,093.28	8	732.85	8	372.21	8	29.73	8		8		8		8	
1/4	1,806.94	1/4	1,446.28	1/4	1,085.78	1/4	725.34	1/4	364.70	1/4	25.50	1/4		1/4		1/4		1/4	
1/2	1,799.43	1/2	1,438.77	1/2	1,078.28	1/2	717.83	1/2	357.18	1/2	21.28	1/2		1/2		1/2		1/2	
3/4	1,791.91	3/4	1,431.25	3/4	1,070.77	3/4	710.31	3/4	349.67	3/4		3/4		3/4		3/4		3/4	
9	1,784.40	9	1,423.74	9	1,063.27	9	702.80	9	342.16	9		9		9		9		9	
1/4	1,776.88	1/4	1,416.23	1/4	1,055.76	1/4	695.28	1/4	334.64	1/4		1/4		1/4		1/4		1/4	
1/2	1,769.37	1/2	1,408.71	1/2	1,048.26	1/2	687.77	1/2	327.13	1/2		1/2		1/2		1/2		1/2	
3/4	1,761.86	3/4	1,401.20	3/4	1,040.75	3/4	680.26	3/4	319.61	3/4		3/4		3/4		3/4		3/4	
10	1,754.34	10	1,393.69	10	1,033.25	10	672.74	10	312.10	10		10		10		10		10	
1/4	1,746.83	1/4	1,386.17	1/4	1,025.75	1/4	665.23	1/4	304.59	1/4		1/4		1/4		1/4		1/4	
1/2	1,739.32	1/2	1,378.66	1/2	1,018.24	1/2	657.72	1/2	297.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,731.80	3/4	1,371.14	3/4	1,010.74	3/4	650.20	3/4	289.56	3/4		3/4		3/4		3/4		3/4	
11	1,724.29	11	1,363.63	11	1,003.23	11	642.69	11	282.05	11		11		11		11		11	
1/4	1,716.77	1/4	1,356.12	1/4	995.73	1/4	635.18	1/4	274.53	1/4		1/4		1/4		1/4		1/4	
1/2	1,709.26	1/2	1,348.60	1/2	988.22	1/2	627.66	1/2	267.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,701.75	3/4	1,341.09	3/4	980.72	3/4	620.15	3/4	259.51	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2020 CL
CALCULATED: 08/08/2020 CL
PRINTED: 08/08/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 525"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

HULL # C-1271

GAUGE HEIGHT 15'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,231.16	0	4,054.50	0	3,870.28	0	3,679.09	0	3,480.46	0	3,122.18	0	2,762.81	0	2,402.63
1/4		1/4		1/4	4,227.56	1/4	4,050.73	1/4	3,866.36	1/4	3,675.06	1/4	3,472.98	1/4	3,114.69	1/4	2,755.31	1/4	2,395.13
1/2		1/2		1/2	4,223.95	1/2	4,046.96	1/2	3,862.45	1/2	3,671.03	1/2	3,465.51	1/2	3,107.20	1/2	2,747.80	1/2	2,387.62
3/4		3/4	4,380.55	3/4	4,220.35	3/4	4,043.19	3/4	3,858.53	3/4	3,667.00	3/4	3,458.04	3/4	3,099.71	3/4	2,740.30	3/4	2,380.12
1		1	4,378.91	1	4,216.73	1	4,039.42	1	3,854.60	1	3,662.97	1	3,450.57	1	3,092.22	1	2,732.79	1	2,372.61
1/4		1/4	4,377.27	1/4	4,213.12	1/4	4,035.64	1/4	3,850.68	1/4	3,658.94	1/4	3,443.10	1/4	3,084.73	1/4	2,725.29	1/4	2,365.11
1/2		1/2	4,375.63	1/2	4,209.50	1/2	4,031.86	1/2	3,846.75	1/2	3,654.91	1/2	3,435.63	1/2	3,077.24	1/2	2,717.79	1/2	2,357.61
3/4		3/4	4,373.98	3/4	4,205.88	3/4	4,028.08	3/4	3,842.82	3/4	3,650.88	3/4	3,428.16	3/4	3,069.75	3/4	2,710.29	3/4	2,350.10
2		2	4,371.12	2	4,202.25	2	4,024.29	2	3,838.88	2	3,646.85	2	3,420.69	2	3,062.27	2	2,702.78	2	2,342.60
1/4		1/4	4,368.26	1/4	4,198.63	1/4	4,020.49	1/4	3,834.94	1/4	3,642.82	1/4	3,413.21	1/4	3,054.78	1/4	2,695.28	1/4	2,335.09
1/2		1/2	4,365.40	1/2	4,195.00	1/2	4,016.70	1/2	3,831.00	1/2	3,638.78	1/2	3,405.74	1/2	3,047.30	1/2	2,687.78	1/2	2,327.59
3/4		3/4	4,362.54	3/4	4,191.37	3/4	4,012.91	3/4	3,827.06	3/4	3,634.75	3/4	3,398.27	3/4	3,039.82	3/4	2,680.27	3/4	2,320.08
3		3	4,358.76	3	4,187.73	3	4,009.11	3	3,823.11	3	3,630.72	3	3,390.80	3	3,032.34	3	2,672.77	3	2,312.58
1/4		1/4	4,354.98	1/4	4,184.09	1/4	4,005.30	1/4	3,819.16	1/4	3,626.69	1/4	3,383.33	1/4	3,024.85	1/4	2,665.27	1/4	2,305.08
1/2		1/2	4,351.20	1/2	4,180.44	1/2	4,001.50	1/2	3,815.21	1/2	3,622.66	1/2	3,375.86	1/2	3,017.37	1/2	2,657.77	1/2	2,297.57
3/4		3/4	4,347.42	3/4	4,176.80	3/4	3,997.70	3/4	3,811.25	3/4	3,618.63	3/4	3,368.39	3/4	3,009.89	3/4	2,650.26	3/4	2,290.07
4		4	4,343.95	4	4,173.15	4	3,993.88	4	3,807.29	4	3,614.60	4	3,360.91	4	3,002.41	4	2,642.76	4	2,282.56
1/4		1/4	4,340.49	1/4	4,169.50	1/4	3,990.06	1/4	3,803.32	1/4	3,610.57	1/4	3,353.44	1/4	2,994.92	1/4	2,635.26	1/4	2,275.06
1/2		1/2	4,337.02	1/2	4,165.84	1/2	3,986.25	1/2	3,799.36	1/2	3,606.54	1/2	3,345.97	1/2	2,987.44	1/2	2,627.75	1/2	2,267.55
3/4		3/4	4,333.55	3/4	4,162.19	3/4	3,982.43	3/4	3,795.40	3/4	3,602.51	3/4	3,338.50	3/4	2,979.96	3/4	2,620.25	3/4	2,260.05
5		5	4,330.07	5	4,158.52	5	3,978.60	5	3,791.42	5	3,598.48	5	3,331.03	5	2,972.48	5	2,612.75	5	2,252.55
1/4		1/4	4,326.59	1/4	4,154.86	1/4	3,974.77	1/4	3,787.44	1/4	3,594.45	1/4	3,323.56	1/4	2,964.99	1/4	2,605.25	1/4	2,245.04
1/2		1/2	4,323.11	1/2	4,151.19	1/2	3,970.94	1/2	3,783.47	1/2	3,590.42	1/2	3,316.09	1/2	2,957.51	1/2	2,597.74	1/2	2,237.54
3/4		3/4	4,319.64	3/4	4,147.52	3/4	3,967.12	3/4	3,779.49	3/4	3,586.39	3/4	3,308.62	3/4	2,950.03	3/4	2,590.24	3/4	2,230.03
6		6	4,316.14	6	4,143.85	6	3,963.27	6	3,775.50	6	3,582.35	6	3,301.17	6	2,942.55	6	2,582.74	6	2,222.53
1/4		1/4	4,312.65	1/4	4,140.17	1/4	3,959.43	1/4	3,771.51	1/4	3,578.32	1/4	3,293.71	1/4	2,935.06	1/4	2,575.23	1/4	2,215.02
1/2		1/2	4,309.16	1/2	4,136.49	1/2	3,955.59	1/2	3,767.52	1/2	3,574.29	1/2	3,286.26	1/2	2,927.58	1/2	2,567.73	1/2	2,207.52
3/4		3/4	4,305.67	3/4	4,132.81	3/4	3,951.75	3/4	3,763.53	3/4	3,570.26	3/4	3,278.80	3/4	2,920.10	3/4	2,560.22	3/4	2,200.02
7		7	4,302.16	7	4,129.12	7	3,947.90	7	3,759.53	7	3,566.23	7	3,271.34	7	2,912.61	7	2,552.72	7	2,192.51
1/4		1/4	4,298.66	1/4	4,125.43	1/4	3,944.04	1/4	3,755.53	1/4	3,562.20	1/4	3,263.89	1/4	2,905.13	1/4	2,545.21	1/4	2,185.01
1/2		1/2	4,295.16	1/2	4,121.73	1/2	3,940.19	1/2	3,751.53	1/2	3,558.17	1/2	3,256.43	1/2	2,897.65	1/2	2,537.71	1/2	2,177.50
3/4		3/4	4,291.65	3/4	4,118.04	3/4	3,936.34	3/4	3,747.53	3/4	3,554.14	3/4	3,248.98	3/4	2,890.16	3/4	2,530.20	3/4	2,170.00
8		8	4,288.14	8	4,114.32	8	3,932.47	8	3,743.51	8	3,550.11	8	3,241.52	8	2,882.67	8	2,522.70	8	2,162.49
1/4		1/4	4,284.62	1/4	4,110.61	1/4	3,928.61	1/4	3,739.50	1/4	3,546.08	1/4	3,234.06	1/4	2,875.18	1/4	2,515.20	1/4	2,154.99
1/2		1/2	4,281.10	1/2	4,106.89	1/2	3,924.74	1/2	3,735.49	1/2	3,542.05	1/2	3,226.61	1/2	2,867.69	1/2	2,507.69	1/2	2,147.49
3/4		3/4	4,277.59	3/4	4,103.17	3/4	3,920.87	3/4	3,731.47	3/4	3,538.02	3/4	3,219.15	3/4	2,860.20	3/4	2,500.19	3/4	2,139.98
9		9	4,274.05	9	4,099.44	9	3,917.00	9	3,727.45	9	3,533.99	9	3,211.70	9	2,852.71	9	2,492.68	9	2,132.48
1/4		1/4	4,270.52	1/4	4,095.71	1/4	3,913.12	1/4	3,723.42	1/4	3,529.96	1/4	3,204.24	1/4	2,845.22	1/4	2,485.18	1/4	2,124.97
1/2		1/2	4,266.99	1/2	4,091.98	1/2	3,909.24	1/2	3,719.39	1/2	3,525.92	1/2	3,196.79	1/2	2,837.73	1/2	2,477.67	1/2	2,117.47
3/4		3/4	4,263.45	3/4	4,088.25	3/4	3,905.36	3/4	3,715.37	3/4	3,521.89	3/4	3,189.33	3/4	2,830.24	3/4	2,470.17	3/4	2,109.96
10		10	4,259.87	10	4,084.51	10	3,901.47	10	3,711.34	10	3,517.86	10	3,181.87	10	2,822.75	10	2,462.67	10	2,102.46
1/4		1/4	4,256.29	1/4	4,080.77	1/4	3,897.58	1/4	3,707.31	1/4	3,513.83	1/4	3,174.42	1/4	2,815.26	1/4	2,455.16	1/4	2,094.96
1/2		1/2	4,252.71	1/2	4,077.02	1/2	3,893.69	1/2	3,703.28	1/2	3,509.80	1/2	3,166.96	1/2	2,807.77	1/2	2,447.66	1/2	2,087.45
3/4		3/4	4,249.14	3/4	4,073.28	3/4	3,889.80	3/4	3,699.24	3/4	3,505.77	3/4	3,159.51	3/4	2,800.28	3/4	2,440.15	3/4	2,079.95
11		11	4,245.54	11	4,069.53	11	3,885.90	11	3,695.21	11	3,501.31	11	3,152.05	11	2,792.79	11	2,432.65	11	2,072.44
1/4		1/4	4,241.95	1/4	4,065.77	1/4	3,882.00	1/4	3,691.18	1/4	3,496.85	1/4	3,144.59	1/4	2,785.30	1/4	2,425.14	1/4	2,064.94
1/2		1/2	4,238.36	1/2	4,062.02	1/2	3,878.09	1/2	3,687.15	1/2	3,492.39	1/2	3,137.13	1/2	2,777.81	1/2	2,417.64	1/2	2,057.43
3/4		3/4	4,234.77	3/4	4,058.26	3/4	3,874.19	3/4	3,683.12	3/4	3,487.93	3/4	3,129.67	3/4	2,770.32	3/4	2,410.14	3/4	2,049.93

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" DIAMETER "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 525"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

HULL # C-1271

GAUGE HEIGHT 15'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,042.43	0	1,682.14	0	1,323.18	0	972.96	0	619.75	0	259.36	0		0		0		0	
1/4	2,034.92	1/4	1,674.63	1/4	1,315.73	1/4	965.79	1/4	612.25	1/4	251.85	1/4		1/4		1/4		1/4	
1/2	2,027.42	1/2	1,667.12	1/2	1,308.29	1/2	958.62	1/2	604.74	1/2	244.34	1/2		1/2		1/2		1/2	
3/4	2,019.91	3/4	1,659.62	3/4	1,300.84	3/4	951.45	3/4	597.23	3/4	236.84	3/4		3/4		3/4		3/4	
1	2,012.41	1	1,652.11	1	1,293.40	1	944.28	1	589.72	1	229.33	1		1		1		1	
1/4	2,004.90	1/4	1,644.61	1/4	1,285.96	1/4	937.11	1/4	582.21	1/4	221.82	1/4		1/4		1/4		1/4	
1/2	1,997.39	1/2	1,637.10	1/2	1,278.51	1/2	929.94	1/2	574.70	1/2	214.31	1/2		1/2		1/2		1/2	
3/4	1,989.89	3/4	1,629.59	3/4	1,271.07	3/4	922.77	3/4	567.20	3/4	206.80	3/4		3/4		3/4		3/4	
2	1,982.38	2	1,622.09	2	1,263.62	2	915.59	2	559.69	2	199.29	2		2		2		2	
1/4	1,974.87	1/4	1,614.58	1/4	1,256.18	1/4	908.42	1/4	552.18	1/4	191.79	1/4		1/4		1/4		1/4	
1/2	1,967.37	1/2	1,607.08	1/2	1,248.74	1/2	901.24	1/2	544.67	1/2	184.28	1/2		1/2		1/2		1/2	
3/4	1,959.86	3/4	1,599.57	3/4	1,241.30	3/4	894.07	3/4	537.16	3/4	176.77	3/4		3/4		3/4		3/4	
3	1,952.36	3	1,592.06	3	1,233.87	3	886.87	3	529.66	3	169.26	3		3		3		3	
1/4	1,944.85	1/4	1,584.56	1/4	1,226.44	1/4	879.68	1/4	522.15	1/4	161.75	1/4		1/4		1/4		1/4	
1/2	1,937.34	1/2	1,577.05	1/2	1,219.02	1/2	872.48	1/2	514.64	1/2	154.24	1/2		1/2		1/2		1/2	
3/4	1,929.84	3/4	1,569.55	3/4	1,211.59	3/4	865.29	3/4	507.13	3/4	146.73	3/4		3/4		3/4		3/4	
4	1,922.33	4	1,562.04	4	1,204.16	4	858.09	4	499.62	4	139.22	4		4		4		4	
1/4	1,914.83	1/4	1,554.53	1/4	1,196.73	1/4	850.89	1/4	492.11	1/4	131.71	1/4		1/4		1/4		1/4	
1/2	1,907.32	1/2	1,547.03	1/2	1,189.30	1/2	843.69	1/2	484.61	1/2	124.19	1/2		1/2		1/2		1/2	
3/4	1,899.81	3/4	1,539.52	3/4	1,181.88	3/4	836.49	3/4	477.10	3/4	116.68	3/4		3/4		3/4		3/4	
5	1,892.31	5	1,532.01	5	1,174.46	5	829.23	5	469.59	5	109.25	5		5		5		5	
1/4	1,884.80	1/4	1,524.51	1/4	1,167.04	1/4	821.98	1/4	462.08	1/4	101.82	1/4		1/4		1/4		1/4	
1/2	1,877.30	1/2	1,517.00	1/2	1,159.62	1/2	814.72	1/2	454.57	1/2	94.39	1/2		1/2		1/2		1/2	
3/4	1,869.79	3/4	1,509.50	3/4	1,152.20	3/4	807.46	3/4	447.07	3/4	86.96	3/4		3/4		3/4		3/4	
6	1,862.28	6	1,502.00	6	1,145.03	6	799.95	6	439.56	6	80.25	6		6		6		6	
1/4	1,854.78	1/4	1,494.50	1/4	1,137.86	1/4	792.44	1/4	432.05	1/4	73.53	1/4		1/4		1/4		1/4	
1/2	1,847.27	1/2	1,487.00	1/2	1,130.69	1/2	784.93	1/2	424.54	1/2	66.82	1/2		1/2		1/2		1/2	
3/4	1,839.76	3/4	1,479.50	3/4	1,123.52	3/4	777.43	3/4	417.03	3/4	60.10	3/4		3/4		3/4		3/4	
7	1,832.26	7	1,472.06	7	1,116.35	7	769.92	7	409.52	7	54.63	7		7		7		7	
1/4	1,824.75	1/4	1,464.62	1/4	1,109.18	1/4	762.41	1/4	402.02	1/4	49.16	1/4		1/4		1/4		1/4	
1/2	1,817.25	1/2	1,457.17	1/2	1,102.01	1/2	754.90	1/2	394.51	1/2	43.68	1/2		1/2		1/2		1/2	
3/4	1,809.74	3/4	1,449.73	3/4	1,094.84	3/4	747.39	3/4	387.00	3/4	38.21	3/4		3/4		3/4		3/4	
8	1,802.23	8	1,442.28	8	1,087.67	8	739.89	8	379.49	8	33.98	8		8		8		8	
1/4	1,794.73	1/4	1,434.84	1/4	1,080.50	1/4	732.38	1/4	371.98	1/4	29.75	1/4		1/4		1/4		1/4	
1/2	1,787.22	1/2	1,427.40	1/2	1,073.33	1/2	724.87	1/2	364.48	1/2	25.52	1/2		1/2		1/2		1/2	
3/4	1,779.72	3/4	1,419.95	3/4	1,066.16	3/4	717.36	3/4	356.97	3/4	21.30	3/4		3/4		3/4		3/4	
9	1,772.21	9	1,412.51	9	1,058.99	9	709.85	9	349.46	9		9		9		9		9	
1/4	1,764.70	1/4	1,405.06	1/4	1,051.82	1/4	702.34	1/4	341.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,757.20	1/2	1,397.62	1/2	1,044.65	1/2	694.84	1/2	334.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,749.69	3/4	1,390.17	3/4	1,037.48	3/4	687.33	3/4	326.93	3/4		3/4		3/4		3/4		3/4	
10	1,742.19	10	1,382.73	10	1,030.32	10	679.82	10	319.43	10		10		10		10		10	
1/4	1,734.68	1/4	1,375.29	1/4	1,023.15	1/4	672.31	1/4	311.92	1/4		1/4		1/4		1/4		1/4	
1/2	1,727.17	1/2	1,367.84	1/2	1,015.98	1/2	664.80	1/2	304.41	1/2		1/2		1/2		1/2		1/2	
3/4	1,719.67	3/4	1,360.40	3/4	1,008.81	3/4	657.29	3/4	296.90	3/4		3/4		3/4		3/4		3/4	
11	1,712.16	11	1,352.95	11	1,001.64	11	649.79	11	289.39	11		11		11		11		11	
1/4	1,704.66	1/4	1,345.51	1/4	994.47	1/4	642.28	1/4	281.88	1/4		1/4		1/4		1/4		1/4	
1/2	1,697.15	1/2	1,338.06	1/2	987.30	1/2	634.77	1/2	274.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,689.64	3/4	1,330.62	3/4	980.13	3/4	627.26	3/4	266.87	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2020 CL
CALCULATED: 08/08/2020 CL
PRINTED: 08/08/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020

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P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net