

IB949

TANK

1

HULL NUMBER 8021

Capacities in Gallons Table Scaled from Reference 0' 00" of Hermetic Gauging Unit Page 1 of 2

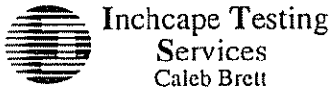
| 3 FEET | | 4 FEET | | 5 FEET | | 6 FEET | | 7 FEET | | 8 FEET | | 9 FEET | | 10 FEET | |
|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|--------|--------|--------|---------|--------|
| 0 | | 0 | 137,714 | 0 | 128,277 | 0 | 118,840 | 0 | 109,403 | 0 | 98,710 | 0 | 87,934 | 0 | 77,158 |
| 1/4 | | 1/4 | 137,517 | 1/4 | 128,080 | 1/4 | 118,643 | 1/4 | 109,206 | 1/4 | 98,486 | 1/4 | 87,710 | 1/4 | 76,934 |
| 1/2 | 143,218 | 1/2 | 137,320 | 1/2 | 127,884 | 1/2 | 118,447 | 1/2 | 109,010 | 1/2 | 98,261 | 1/2 | 87,485 | 1/2 | 76,709 |
| 3/4 | 143,208 | 3/4 | 137,124 | 3/4 | 127,687 | 3/4 | 118,250 | 3/4 | 108,813 | 3/4 | 98,037 | 3/4 | 87,261 | 3/4 | 76,485 |
| 1 | 143,197 | 1 | 136,927 | 1 | 127,490 | 1 | 118,053 | 1 | 108,589 | 1 | 97,812 | 1 | 87,036 | 1 | 76,260 |
| 1/4 | 143,186 | 1/4 | 136,731 | 1/4 | 127,294 | 1/4 | 117,857 | 1/4 | 108,364 | 1/4 | 97,588 | 1/4 | 86,812 | 1/4 | 76,036 |
| 1/2 | 143,175 | 1/2 | 136,534 | 1/2 | 127,097 | 1/2 | 117,660 | 1/2 | 108,140 | 1/2 | 97,363 | 1/2 | 86,587 | 1/2 | 75,811 |
| 3/4 | 143,142 | 3/4 | 136,337 | 3/4 | 126,901 | 3/4 | 117,464 | 3/4 | 107,915 | 3/4 | 97,139 | 3/4 | 86,363 | 3/4 | 75,586 |
| 2 | 143,109 | 2 | 136,141 | 2 | 126,704 | 2 | 117,267 | 2 | 107,691 | 2 | 96,914 | 2 | 86,138 | 2 | 75,362 |
| 1/4 | 143,076 | 1/4 | 135,944 | 1/4 | 126,507 | 1/4 | 117,070 | 1/4 | 107,466 | 1/4 | 96,690 | 1/4 | 85,914 | 1/4 | 75,137 |
| 1/2 | 143,044 | 1/2 | 135,748 | 1/2 | 126,311 | 1/2 | 116,874 | 1/2 | 107,242 | 1/2 | 96,465 | 1/2 | 85,689 | 1/2 | 74,913 |
| 3/4 | 142,989 | 3/4 | 135,551 | 3/4 | 126,114 | 3/4 | 116,677 | 3/4 | 107,017 | 3/4 | 96,241 | 3/4 | 85,465 | 3/4 | 74,688 |
| 3 | 142,934 | 3 | 135,354 | 3 | 125,918 | 3 | 116,481 | 3 | 106,793 | 3 | 96,016 | 3 | 85,240 | 3 | 74,464 |
| 1/4 | 142,880 | 1/4 | 135,158 | 1/4 | 125,721 | 1/4 | 116,284 | 1/4 | 106,568 | 1/4 | 95,792 | 1/4 | 85,016 | 1/4 | 74,239 |
| 1/2 | 142,825 | 1/2 | 134,961 | 1/2 | 125,524 | 1/2 | 116,087 | 1/2 | 106,344 | 1/2 | 95,567 | 1/2 | 84,791 | 1/2 | 74,015 |
| 3/4 | 142,749 | 3/4 | 134,765 | 3/4 | 125,328 | 3/4 | 115,891 | 3/4 | 106,119 | 3/4 | 95,343 | 3/4 | 84,567 | 3/4 | 73,790 |
| 4 | 142,672 | 4 | 134,568 | 4 | 125,131 | 4 | 115,694 | 4 | 105,894 | 4 | 95,118 | 4 | 84,342 | 4 | 73,566 |
| 1/4 | 142,596 | 1/4 | 134,371 | 1/4 | 124,935 | 1/4 | 115,498 | 1/4 | 105,670 | 1/4 | 94,894 | 1/4 | 84,118 | 1/4 | 73,341 |
| 1/2 | 142,519 | 1/2 | 134,175 | 1/2 | 124,738 | 1/2 | 115,301 | 1/2 | 105,445 | 1/2 | 94,669 | 1/2 | 83,893 | 1/2 | 73,117 |
| 3/4 | 142,421 | 3/4 | 133,978 | 3/4 | 124,541 | 3/4 | 115,104 | 3/4 | 105,221 | 3/4 | 94,445 | 3/4 | 83,669 | 3/4 | 72,892 |
| 5 | 142,323 | 5 | 133,782 | 5 | 124,345 | 5 | 114,908 | 5 | 104,996 | 5 | 94,220 | 5 | 83,444 | 5 | 72,668 |
| 1/4 | 142,225 | 1/4 | 133,585 | 1/4 | 124,148 | 1/4 | 114,711 | 1/4 | 104,772 | 1/4 | 93,996 | 1/4 | 83,220 | 1/4 | 72,443 |
| 1/2 | 142,126 | 1/2 | 133,388 | 1/2 | 123,951 | 1/2 | 114,515 | 1/2 | 104,547 | 1/2 | 93,771 | 1/2 | 82,995 | 1/2 | 72,219 |
| 3/4 | 142,006 | 3/4 | 133,192 | 3/4 | 123,755 | 3/4 | 114,318 | 3/4 | 104,323 | 3/4 | 93,547 | 3/4 | 82,771 | 3/4 | 71,994 |
| 6 | 141,886 | 6 | 132,995 | 6 | 123,558 | 6 | 114,121 | 6 | 104,098 | 6 | 93,322 | 6 | 82,546 | 6 | 71,770 |
| 1/4 | 141,766 | 1/4 | 132,799 | 1/4 | 123,362 | 1/4 | 113,925 | 1/4 | 103,874 | 1/4 | 93,098 | 1/4 | 82,322 | 1/4 | 71,545 |
| 1/2 | 141,646 | 1/2 | 132,602 | 1/2 | 123,165 | 1/2 | 113,728 | 1/2 | 103,649 | 1/2 | 92,873 | 1/2 | 82,097 | 1/2 | 71,321 |
| 3/4 | 141,504 | 3/4 | 132,405 | 3/4 | 122,968 | 3/4 | 113,532 | 3/4 | 103,425 | 3/4 | 92,649 | 3/4 | 81,873 | 3/4 | 71,096 |
| 7 | 141,362 | 7 | 132,209 | 7 | 122,772 | 7 | 113,335 | 7 | 103,200 | 7 | 92,424 | 7 | 81,648 | 7 | 70,872 |
| 1/4 | 141,220 | 1/4 | 132,012 | 1/4 | 122,575 | 1/4 | 113,138 | 1/4 | 102,976 | 1/4 | 92,200 | 1/4 | 81,424 | 1/4 | 70,647 |
| 1/2 | 141,078 | 1/2 | 131,816 | 1/2 | 122,379 | 1/2 | 112,942 | 1/2 | 102,751 | 1/2 | 91,975 | 1/2 | 81,199 | 1/2 | 70,423 |
| 3/4 | 140,914 | 3/4 | 131,619 | 3/4 | 122,182 | 3/4 | 112,745 | 3/4 | 102,527 | 3/4 | 91,751 | 3/4 | 80,975 | 3/4 | 70,198 |
| 8 | 140,750 | 8 | 131,422 | 8 | 121,985 | 8 | 112,549 | 8 | 102,302 | 8 | 91,526 | 8 | 80,750 | 8 | 69,974 |
| 1/4 | 140,586 | 1/4 | 131,226 | 1/4 | 121,789 | 1/4 | 112,352 | 1/4 | 102,078 | 1/4 | 91,302 | 1/4 | 80,526 | 1/4 | 69,749 |
| 1/2 | 140,422 | 1/2 | 131,029 | 1/2 | 121,592 | 1/2 | 112,155 | 1/2 | 101,853 | 1/2 | 91,077 | 1/2 | 80,301 | 1/2 | 69,525 |
| 3/4 | 140,237 | 3/4 | 130,833 | 3/4 | 121,396 | 3/4 | 111,959 | 3/4 | 101,629 | 3/4 | 90,853 | 3/4 | 80,077 | 3/4 | 69,300 |
| 9 | 140,051 | 9 | 130,636 | 9 | 121,199 | 9 | 111,762 | 9 | 101,404 | 9 | 90,628 | 9 | 79,852 | 9 | 69,076 |
| 1/4 | 139,865 | 1/4 | 130,439 | 1/4 | 121,002 | 1/4 | 111,566 | 1/4 | 101,180 | 1/4 | 90,404 | 1/4 | 79,628 | 1/4 | 68,851 |
| 1/2 | 139,680 | 1/2 | 130,243 | 1/2 | 120,806 | 1/2 | 111,369 | 1/2 | 100,955 | 1/2 | 90,179 | 1/2 | 79,403 | 1/2 | 68,627 |
| 3/4 | 139,483 | 3/4 | 130,046 | 3/4 | 120,609 | 3/4 | 111,172 | 3/4 | 100,731 | 3/4 | 89,955 | 3/4 | 79,179 | 3/4 | 68,402 |
| 10 | 139,286 | 10 | 129,850 | 10 | 120,413 | 10 | 110,976 | 10 | 100,506 | 10 | 89,730 | 10 | 78,954 | 10 | 68,178 |
| 1/4 | 139,090 | 1/4 | 129,653 | 1/4 | 120,216 | 1/4 | 110,779 | 1/4 | 100,282 | 1/4 | 89,506 | 1/4 | 78,730 | 1/4 | 67,953 |
| 1/2 | 138,893 | 1/2 | 129,456 | 1/2 | 120,019 | 1/2 | 110,583 | 1/2 | 100,057 | 1/2 | 89,281 | 1/2 | 78,505 | 1/2 | 67,729 |
| 3/4 | 138,697 | 3/4 | 129,260 | 3/4 | 119,823 | 3/4 | 110,386 | 3/4 | 99,833 | 3/4 | 89,057 | 3/4 | 78,281 | 3/4 | 67,504 |
| 11 | 138,500 | 11 | 129,063 | 11 | 119,626 | 11 | 110,189 | 11 | 99,608 | 11 | 88,832 | 11 | 78,056 | 11 | 67,280 |
| 1/4 | 138,303 | 1/4 | 128,867 | 1/4 | 119,430 | 1/4 | 109,993 | 1/4 | 99,384 | 1/4 | 88,608 | 1/4 | 77,832 | 1/4 | 67,055 |
| 1/2 | 138,107 | 1/2 | 128,670 | 1/2 | 119,233 | 1/2 | 109,796 | 1/2 | 99,159 | 1/2 | 88,383 | 1/2 | 77,607 | 1/2 | 66,831 |
| 3/4 | 137,910 | 3/4 | 128,473 | 3/4 | 119,036 | 3/4 | 109,600 | 3/4 | 98,935 | 3/4 | 88,159 | 3/4 | 77,383 | 3/4 | 66,606 |

** Volume below Strike Point.

For Open Gauging to lip of Hermetic Valve add 1' 5 1/2" to Observed Ullage.

Total Gauge Height - 17' 1 1/2" to 0' 00" of Hermetic Gauging Unit.
 Gauge Point located 21' 05" from Forward Bulkhead near Centerline.

ULLAGE TABLE



IB949

TANK

1

HULL NUMBER 8021

Capacities in Gallons

Table Scaled from Reference 0' 00" of Hermetic Gauging Unit

Page 2 of 2

| 11 FEET | | 12 FEET | | 13 FEET | | 14 FEET | | 15 FEET | | 16 FEET | | 17 FEET | | 18 FEET | |
|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--|
| 0 | 66,382 | 0 | 55,606 | 0 | 44,830 | 0 | 34,054 | 0 | 23,299 | 0 | 12,539 | 0 | 1,773 | 0 | |
| 1/4 | 66,157 | 1/4 | 55,381 | 1/4 | 44,605 | 1/4 | 33,830 | 1/4 | 23,075 | 1/4 | 12,314 | 1/4 | 1,552 | 1/4 | |
| 1/2 | 65,933 | 1/2 | 55,157 | 1/2 | 44,381 | 1/2 | 33,605 | 1/2 | 22,851 | 1/2 | 12,090 | 1/2 | 1,330 | 1/2 | |
| 3/4 | 65,708 | 3/4 | 54,932 | 3/4 | 44,156 | 3/4 | 33,381 | 3/4 | 22,628 | 3/4 | 11,865 | 3/4 | 1,109 | 3/4 | |
| 1 | 65,484 | 1 | 54,708 | 1 | 43,932 | 1 | 33,156 | 1 | 22,404 | 1 | 11,641 | 1 | 887 | 1 | |
| 1/4 | 65,259 | 1/4 | 54,483 | 1/4 | 43,707 | 1/4 | 32,932 | 1/4 | 22,181 | 1/4 | 11,416 | 1/4 | 677 | 1/4 | |
| 1/2 | 65,035 | 1/2 | 54,259 | 1/2 | 43,483 | 1/2 | 32,707 | 1/2 | 21,957 | 1/2 | 11,192 | 1/2 | ** 467 | 1/2 | |
| 3/4 | 64,810 | 3/4 | 54,034 | 3/4 | 43,258 | 3/4 | 32,483 | 3/4 | 21,734 | 3/4 | 10,967 | 3/4 | | 3/4 | |
| 2 | 64,586 | 2 | 53,810 | 2 | 43,034 | 2 | 32,258 | 2 | 21,510 | 2 | 10,743 | 2 | | 2 | |
| 1/4 | 64,361 | 1/4 | 53,585 | 1/4 | 42,809 | 1/4 | 32,034 | 1/4 | 21,287 | 1/4 | 10,518 | 1/4 | | 1/4 | |
| 1/2 | 64,137 | 1/2 | 53,361 | 1/2 | 42,585 | 1/2 | 31,809 | 1/2 | 21,063 | 1/2 | 10,294 | 1/2 | | 1/2 | |
| 3/4 | 63,912 | 3/4 | 53,136 | 3/4 | 42,360 | 3/4 | 31,585 | 3/4 | 20,839 | 3/4 | 10,069 | 3/4 | | 3/4 | |
| 3 | 63,688 | 3 | 52,912 | 3 | 42,136 | 3 | 31,360 | 3 | 20,616 | 3 | 9,845 | 3 | | 3 | |
| 1/4 | 63,463 | 1/4 | 52,687 | 1/4 | 41,911 | 1/4 | 31,136 | 1/4 | 20,392 | 1/4 | 9,620 | 1/4 | | 1/4 | |
| 1/2 | 63,239 | 1/2 | 52,463 | 1/2 | 41,687 | 1/2 | 30,911 | 1/2 | 20,169 | 1/2 | 9,396 | 1/2 | | 1/2 | |
| 3/4 | 63,014 | 3/4 | 52,238 | 3/4 | 41,462 | 3/4 | 30,687 | 3/4 | 19,945 | 3/4 | 9,171 | 3/4 | | 3/4 | |
| 4 | 62,790 | 4 | 52,014 | 4 | 41,238 | 4 | 30,462 | 4 | 19,721 | 4 | 8,947 | 4 | | 4 | |
| 1/4 | 62,565 | 1/4 | 51,789 | 1/4 | 41,013 | 1/4 | 30,238 | 1/4 | 19,498 | 1/4 | 8,722 | 1/4 | | 1/4 | |
| 1/2 | 62,341 | 1/2 | 51,565 | 1/2 | 40,789 | 1/2 | 30,013 | 1/2 | 19,274 | 1/2 | 8,498 | 1/2 | | 1/2 | |
| 3/4 | 62,116 | 3/4 | 51,340 | 3/4 | 40,564 | 3/4 | 29,789 | 3/4 | 19,049 | 3/4 | 8,273 | 3/4 | | 3/4 | |
| 5 | 61,892 | 5 | 51,116 | 5 | 40,340 | 5 | 29,565 | 5 | 18,825 | 5 | 8,049 | 5 | | 5 | |
| 1/4 | 61,667 | 1/4 | 50,891 | 1/4 | 40,116 | 1/4 | 29,340 | 1/4 | 18,600 | 1/4 | 7,824 | 1/4 | | 1/4 | |
| 1/2 | 61,443 | 1/2 | 50,667 | 1/2 | 39,891 | 1/2 | 29,116 | 1/2 | 18,376 | 1/2 | 7,600 | 1/2 | | 1/2 | |
| 3/4 | 61,218 | 3/4 | 50,442 | 3/4 | 39,667 | 3/4 | 28,891 | 3/4 | 18,151 | 3/4 | 7,375 | 3/4 | | 3/4 | |
| 6 | 60,994 | 6 | 50,218 | 6 | 39,442 | 6 | 28,667 | 6 | 17,927 | 6 | 7,151 | 6 | | 6 | |
| 1/4 | 60,769 | 1/4 | 49,993 | 1/4 | 39,218 | 1/4 | 28,442 | 1/4 | 17,702 | 1/4 | 6,926 | 1/4 | | 1/4 | |
| 1/2 | 60,545 | 1/2 | 49,769 | 1/2 | 38,993 | 1/2 | 28,218 | 1/2 | 17,478 | 1/2 | 6,702 | 1/2 | | 1/2 | |
| 3/4 | 60,320 | 3/4 | 49,544 | 3/4 | 38,769 | 3/4 | 27,994 | 3/4 | 17,253 | 3/4 | 6,477 | 3/4 | | 3/4 | |
| 7 | 60,096 | 7 | 49,320 | 7 | 38,544 | 7 | 27,770 | 7 | 17,029 | 7 | 6,253 | 7 | | 7 | |
| 1/4 | 59,871 | 1/4 | 49,095 | 1/4 | 38,320 | 1/4 | 27,546 | 1/4 | 16,804 | 1/4 | 6,028 | 1/4 | | 1/4 | |
| 1/2 | 59,647 | 1/2 | 48,871 | 1/2 | 38,095 | 1/2 | 27,323 | 1/2 | 16,580 | 1/2 | 5,804 | 1/2 | | 1/2 | |
| 3/4 | 59,422 | 3/4 | 48,646 | 3/4 | 37,871 | 3/4 | 27,099 | 3/4 | 16,355 | 3/4 | 5,579 | 3/4 | | 3/4 | |
| 8 | 59,198 | 8 | 48,422 | 8 | 37,646 | 8 | 26,875 | 8 | 16,131 | 8 | 5,355 | 8 | | 8 | |
| 1/4 | 58,973 | 1/4 | 48,197 | 1/4 | 37,422 | 1/4 | 26,652 | 1/4 | 15,906 | 1/4 | 5,130 | 1/4 | | 1/4 | |
| 1/2 | 58,749 | 1/2 | 47,973 | 1/2 | 37,197 | 1/2 | 26,428 | 1/2 | 15,682 | 1/2 | 4,906 | 1/2 | | 1/2 | |
| 3/4 | 58,524 | 3/4 | 47,748 | 3/4 | 36,973 | 3/4 | 26,205 | 3/4 | 15,457 | 3/4 | 4,681 | 3/4 | | 3/4 | |
| 9 | 58,300 | 9 | 47,524 | 9 | 36,748 | 9 | 25,981 | 9 | 15,233 | 9 | 4,457 | 9 | | 9 | |
| 1/4 | 58,075 | 1/4 | 47,299 | 1/4 | 36,524 | 1/4 | 25,758 | 1/4 | 15,008 | 1/4 | 4,233 | 1/4 | | 1/4 | |
| 1/2 | 57,851 | 1/2 | 47,075 | 1/2 | 36,299 | 1/2 | 25,534 | 1/2 | 14,784 | 1/2 | 4,008 | 1/2 | | 1/2 | |
| 3/4 | 57,626 | 3/4 | 46,850 | 3/4 | 36,075 | 3/4 | 25,311 | 3/4 | 14,559 | 3/4 | 3,784 | 3/4 | | 3/4 | |
| 10 | 57,402 | 10 | 46,626 | 10 | 35,850 | 10 | 25,087 | 10 | 14,335 | 10 | 3,560 | 10 | | 10 | |
| 1/4 | 57,177 | 1/4 | 46,401 | 1/4 | 35,626 | 1/4 | 24,863 | 1/4 | 14,110 | 1/4 | 3,336 | 1/4 | | 1/4 | |
| 1/2 | 56,953 | 1/2 | 46,177 | 1/2 | 35,401 | 1/2 | 24,640 | 1/2 | 13,886 | 1/2 | 3,113 | 1/2 | | 1/2 | |
| 3/4 | 56,728 | 3/4 | 45,952 | 3/4 | 35,177 | 3/4 | 24,416 | 3/4 | 13,661 | 3/4 | 2,889 | 3/4 | | 3/4 | |
| 11 | 56,504 | 11 | 45,728 | 11 | 34,952 | 11 | 24,193 | 11 | 13,437 | 11 | 2,665 | 11 | | 11 | |
| 1/4 | 56,279 | 1/4 | 45,503 | 1/4 | 34,728 | 1/4 | 23,969 | 1/4 | 13,212 | 1/4 | 2,442 | 1/4 | | 1/4 | |
| 1/2 | 56,055 | 1/2 | 45,279 | 1/2 | 34,503 | 1/2 | 23,746 | 1/2 | 12,988 | 1/2 | 2,219 | 1/2 | | 1/2 | |
| 3/4 | 55,830 | 3/4 | 45,054 | 3/4 | 34,279 | 3/4 | 23,522 | 3/4 | 12,763 | 3/4 | 1,996 | 3/4 | | 3/4 | |

** Volume below Strike Point.

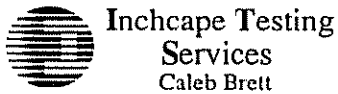
Reissued : April 1996
Strapped : 21 April 1981 JDB
Computed : W.F.

For Open Gauging to lip of Hermetic Valve add 1' 5 1/2" to Observed Ullage.

Calculated per API 2553/66

Total Gauge Height - 17' 1 1/2" to 0' 00" of Hermetic Gauging Unit.
Gauge Point located 21' 05" from Forward Bulkhead near Centerline.

ULLAGE TABLE



IB949

TANK

2

HULL NUMBER 8021

Capacities in Gallons Table Scaled from Reference 0' 00" of Hermetic Gauging Unit Page 1 of 2

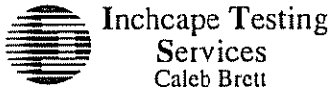
| 3 FEET | | 4 FEET | | 5 FEET | | 6 FEET | | 7 FEET | | 8 FEET | | 9 FEET | | 10 FEET | |
|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|--------|--------|--------|---------|--------|
| 0 | | 0 | 142,594 | 0 | 131,770 | 0 | 120,947 | 0 | 110,123 | 0 | 99,299 | 0 | 88,476 | 0 | 77,652 |
| 1/4 | | 1/4 | 142,368 | 1/4 | 131,545 | 1/4 | 120,721 | 1/4 | 109,898 | 1/4 | 99,074 | 1/4 | 88,250 | 1/4 | 77,427 |
| 1/2 | | 1/2 | 142,143 | 1/2 | 131,319 | 1/2 | 120,496 | 1/2 | 109,672 | 1/2 | 98,849 | 1/2 | 88,025 | 1/2 | 77,201 |
| 3/4 | 148,569 | 3/4 | 141,917 | 3/4 | 131,094 | 3/4 | 120,270 | 3/4 | 109,447 | 3/4 | 98,623 | 3/4 | 87,799 | 3/4 | 76,976 |
| 1 | 148,566 | 1 | 141,692 | 1 | 130,868 | 1 | 120,045 | 1 | 109,221 | 1 | 98,398 | 1 | 87,574 | 1 | 76,750 |
| 1/4 | 148,548 | 1/4 | 141,466 | 1/4 | 130,643 | 1/4 | 119,819 | 1/4 | 108,996 | 1/4 | 98,172 | 1/4 | 87,348 | 1/4 | 76,525 |
| 1/2 | 148,530 | 1/2 | 141,241 | 1/2 | 130,417 | 1/2 | 119,594 | 1/2 | 108,770 | 1/2 | 97,947 | 1/2 | 87,123 | 1/2 | 76,299 |
| 3/4 | 148,511 | 3/4 | 141,015 | 3/4 | 130,192 | 3/4 | 119,368 | 3/4 | 108,545 | 3/4 | 97,721 | 3/4 | 86,898 | 3/4 | 76,074 |
| 2 | 148,493 | 2 | 140,790 | 2 | 129,966 | 2 | 119,143 | 2 | 108,319 | 2 | 97,496 | 2 | 86,672 | 2 | 75,848 |
| 1/4 | 148,450 | 1/4 | 140,564 | 1/4 | 129,741 | 1/4 | 118,917 | 1/4 | 108,094 | 1/4 | 97,270 | 1/4 | 86,447 | 1/4 | 75,623 |
| 1/2 | 148,408 | 1/2 | 140,339 | 1/2 | 129,515 | 1/2 | 118,692 | 1/2 | 107,868 | 1/2 | 97,045 | 1/2 | 86,221 | 1/2 | 75,398 |
| 3/4 | 148,365 | 3/4 | 140,113 | 3/4 | 129,290 | 3/4 | 118,466 | 3/4 | 107,643 | 3/4 | 96,819 | 3/4 | 85,996 | 3/4 | 75,172 |
| 3 | 148,322 | 3 | 139,888 | 3 | 129,064 | 3 | 118,241 | 3 | 107,417 | 3 | 96,594 | 3 | 85,770 | 3 | 74,947 |
| 1/4 | 148,255 | 1/4 | 139,662 | 1/4 | 128,839 | 1/4 | 118,015 | 1/4 | 107,192 | 1/4 | 96,368 | 1/4 | 85,545 | 1/4 | 74,721 |
| 1/2 | 148,188 | 1/2 | 139,437 | 1/2 | 128,613 | 1/2 | 117,790 | 1/2 | 106,966 | 1/2 | 96,143 | 1/2 | 85,319 | 1/2 | 74,496 |
| 3/4 | 148,121 | 3/4 | 139,211 | 3/4 | 128,388 | 3/4 | 117,564 | 3/4 | 106,741 | 3/4 | 95,917 | 3/4 | 85,094 | 3/4 | 74,270 |
| 4 | 148,054 | 4 | 138,986 | 4 | 128,162 | 4 | 117,339 | 4 | 106,515 | 4 | 95,692 | 4 | 84,868 | 4 | 74,045 |
| 1/4 | 147,963 | 1/4 | 138,760 | 1/4 | 127,937 | 1/4 | 117,113 | 1/4 | 106,290 | 1/4 | 95,466 | 1/4 | 84,643 | 1/4 | 73,819 |
| 1/2 | 147,871 | 1/2 | 138,535 | 1/2 | 127,711 | 1/2 | 116,888 | 1/2 | 106,064 | 1/2 | 95,241 | 1/2 | 84,417 | 1/2 | 73,594 |
| 3/4 | 147,780 | 3/4 | 138,309 | 3/4 | 127,486 | 3/4 | 116,662 | 3/4 | 105,839 | 3/4 | 95,015 | 3/4 | 84,192 | 3/4 | 73,368 |
| 5 | 147,689 | 5 | 138,084 | 5 | 127,260 | 5 | 116,437 | 5 | 105,613 | 5 | 94,790 | 5 | 83,966 | 5 | 73,143 |
| 1/4 | 147,573 | 1/4 | 137,858 | 1/4 | 127,035 | 1/4 | 116,211 | 1/4 | 105,388 | 1/4 | 94,564 | 1/4 | 83,741 | 1/4 | 72,917 |
| 1/2 | 147,457 | 1/2 | 137,633 | 1/2 | 126,809 | 1/2 | 115,986 | 1/2 | 105,162 | 1/2 | 94,339 | 1/2 | 83,515 | 1/2 | 72,692 |
| 3/4 | 147,341 | 3/4 | 137,407 | 3/4 | 126,584 | 3/4 | 115,760 | 3/4 | 104,937 | 3/4 | 94,113 | 3/4 | 83,290 | 3/4 | 72,466 |
| 6 | 147,225 | 6 | 137,182 | 6 | 126,358 | 6 | 115,535 | 6 | 104,711 | 6 | 93,888 | 6 | 83,064 | 6 | 72,241 |
| 1/4 | 147,085 | 1/4 | 136,956 | 1/4 | 126,133 | 1/4 | 115,309 | 1/4 | 104,486 | 1/4 | 93,662 | 1/4 | 82,839 | 1/4 | 72,015 |
| 1/2 | 146,945 | 1/2 | 136,731 | 1/2 | 125,907 | 1/2 | 115,084 | 1/2 | 104,260 | 1/2 | 93,437 | 1/2 | 82,613 | 1/2 | 71,790 |
| 3/4 | 146,805 | 3/4 | 136,505 | 3/4 | 125,682 | 3/4 | 114,858 | 3/4 | 104,035 | 3/4 | 93,211 | 3/4 | 82,388 | 3/4 | 71,564 |
| 7 | 146,665 | 7 | 136,280 | 7 | 125,456 | 7 | 114,633 | 7 | 103,809 | 7 | 92,986 | 7 | 82,162 | 7 | 71,339 |
| 1/4 | 146,500 | 1/4 | 136,054 | 1/4 | 125,231 | 1/4 | 114,407 | 1/4 | 103,584 | 1/4 | 92,760 | 1/4 | 81,937 | 1/4 | 71,113 |
| 1/2 | 146,336 | 1/2 | 135,829 | 1/2 | 125,005 | 1/2 | 114,182 | 1/2 | 103,358 | 1/2 | 92,535 | 1/2 | 81,711 | 1/2 | 70,888 |
| 3/4 | 146,171 | 3/4 | 135,603 | 3/4 | 124,780 | 3/4 | 113,956 | 3/4 | 103,133 | 3/4 | 92,309 | 3/4 | 81,486 | 3/4 | 70,662 |
| 8 | 146,006 | 8 | 135,378 | 8 | 124,554 | 8 | 113,731 | 8 | 102,907 | 8 | 92,084 | 8 | 81,260 | 8 | 70,437 |
| 1/4 | 145,818 | 1/4 | 135,152 | 1/4 | 124,329 | 1/4 | 113,505 | 1/4 | 102,682 | 1/4 | 91,858 | 1/4 | 81,035 | 1/4 | 70,211 |
| 1/2 | 145,629 | 1/2 | 134,927 | 1/2 | 124,103 | 1/2 | 113,280 | 1/2 | 102,456 | 1/2 | 91,633 | 1/2 | 80,809 | 1/2 | 69,986 |
| 3/4 | 145,440 | 3/4 | 134,701 | 3/4 | 123,878 | 3/4 | 113,054 | 3/4 | 102,231 | 3/4 | 91,407 | 3/4 | 80,584 | 3/4 | 69,760 |
| 9 | 145,251 | 9 | 134,476 | 9 | 123,652 | 9 | 112,829 | 9 | 102,005 | 9 | 91,182 | 9 | 80,358 | 9 | 69,535 |
| 1/4 | 145,037 | 1/4 | 134,250 | 1/4 | 123,427 | 1/4 | 112,603 | 1/4 | 101,780 | 1/4 | 90,956 | 1/4 | 80,133 | 1/4 | 69,309 |
| 1/2 | 144,824 | 1/2 | 134,025 | 1/2 | 123,201 | 1/2 | 112,378 | 1/2 | 101,554 | 1/2 | 90,731 | 1/2 | 79,907 | 1/2 | 69,084 |
| 3/4 | 144,611 | 3/4 | 133,800 | 3/4 | 122,976 | 3/4 | 112,152 | 3/4 | 101,329 | 3/4 | 90,505 | 3/4 | 79,682 | 3/4 | 68,858 |
| 10 | 144,398 | 10 | 133,574 | 10 | 122,750 | 10 | 111,927 | 10 | 101,103 | 10 | 90,280 | 10 | 79,456 | 10 | 68,633 |
| 1/4 | 144,172 | 1/4 | 133,349 | 1/4 | 122,525 | 1/4 | 111,701 | 1/4 | 100,878 | 1/4 | 90,054 | 1/4 | 79,231 | 1/4 | 68,407 |
| 1/2 | 143,947 | 1/2 | 133,123 | 1/2 | 122,300 | 1/2 | 111,476 | 1/2 | 100,652 | 1/2 | 89,829 | 1/2 | 79,005 | 1/2 | 68,182 |
| 3/4 | 143,721 | 3/4 | 132,898 | 3/4 | 122,074 | 3/4 | 111,250 | 3/4 | 100,427 | 3/4 | 89,603 | 3/4 | 78,780 | 3/4 | 67,956 |
| 11 | 143,496 | 11 | 132,672 | 11 | 121,849 | 11 | 111,025 | 11 | 100,201 | 11 | 89,378 | 11 | 78,554 | 11 | 67,731 |
| 1/4 | 143,270 | 1/4 | 132,447 | 1/4 | 121,623 | 1/4 | 110,799 | 1/4 | 99,976 | 1/4 | 89,152 | 1/4 | 78,329 | 1/4 | 67,505 |
| 1/2 | 143,045 | 1/2 | 132,221 | 1/2 | 121,398 | 1/2 | 110,574 | 1/2 | 99,750 | 1/2 | 88,927 | 1/2 | 78,103 | 1/2 | 67,280 |
| 3/4 | 142,819 | 3/4 | 131,996 | 3/4 | 121,172 | 3/4 | 110,349 | 3/4 | 99,525 | 3/4 | 88,701 | 3/4 | 77,878 | 3/4 | 67,054 |

** Volume below Strike Point.

For Open Gauging to lip of Hermetic Valve add 1' 5 1/2" to Observed Ullage.

Total Gauge Height - 17' 1 5/8" to 0' 00" of Hermetic Gauging Unit.
Gauge Point located 21' 10" from Forward Bulkhead near Centerline.

ULLAGE TABLE



IB949

HULL NUMBER 8021

TANK

2

Capacities in Gallons

Table Scaled from Reference 0' 00" of Hermetic Gauging Unit

Page 2 of 2

| 11 FEET | | 12 FEET | | 13 FEET | | 14 FEET | | 15 FEET | | 16 FEET | | 17 FEET | | 18 FEET | |
|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--|
| 0 | 66,829 | 0 | 56,005 | 0 | 45,182 | 0 | 34,358 | 0 | 23,553 | 0 | 12,747 | 0 | 1,933 | 0 | |
| 1/4 | 66,603 | 1/4 | 55,780 | 1/4 | 44,956 | 1/4 | 34,133 | 1/4 | 23,328 | 1/4 | 12,521 | 1/4 | 1,709 | 1/4 | |
| 1/2 | 66,378 | 1/2 | 55,554 | 1/2 | 44,731 | 1/2 | 33,907 | 1/2 | 23,104 | 1/2 | 12,296 | 1/2 | 1,486 | 1/2 | |
| 3/4 | 66,152 | 3/4 | 55,329 | 3/4 | 44,505 | 3/4 | 33,682 | 3/4 | 22,879 | 3/4 | 12,070 | 3/4 | 1,264 | 3/4 | |
| 1 | 65,927 | 1 | 55,103 | 1 | 44,280 | 1 | 33,456 | 1 | 22,655 | 1 | 11,845 | 1 | 1,041 | 1 | |
| 1/4 | 65,701 | 1/4 | 54,878 | 1/4 | 44,054 | 1/4 | 33,231 | 1/4 | 22,430 | 1/4 | 11,619 | 1/4 | 818 | 1/4 | |
| 1/2 | 65,476 | 1/2 | 54,652 | 1/2 | 43,829 | 1/2 | 33,005 | 1/2 | 22,205 | 1/2 | 11,394 | 1/2 | 598 | 1/2 | |
| 3/4 | 65,250 | 3/4 | 54,427 | 3/4 | 43,603 | 3/4 | 32,780 | 3/4 | 21,981 | 3/4 | 11,168 | 5/8 | ** 488 | 3/4 | |
| 2 | 65,025 | 2 | 54,201 | 2 | 43,378 | 2 | 32,554 | 2 | 21,756 | 2 | 10,943 | 2 | | 2 | |
| 1/4 | 64,799 | 1/4 | 53,976 | 1/4 | 43,152 | 1/4 | 32,329 | 1/4 | 21,532 | 1/4 | 10,717 | 1/4 | | 1/4 | |
| 1/2 | 64,574 | 1/2 | 53,750 | 1/2 | 42,927 | 1/2 | 32,103 | 1/2 | 21,307 | 1/2 | 10,492 | 1/2 | | 1/2 | |
| 3/4 | 64,348 | 3/4 | 53,525 | 3/4 | 42,701 | 3/4 | 31,878 | 3/4 | 21,083 | 3/4 | 10,266 | 3/4 | | 3/4 | |
| 3 | 64,123 | 3 | 53,299 | 3 | 42,476 | 3 | 31,652 | 3 | 20,858 | 3 | 10,041 | 3 | | 3 | |
| 1/4 | 63,897 | 1/4 | 53,074 | 1/4 | 42,250 | 1/4 | 31,427 | 1/4 | 20,633 | 1/4 | 9,815 | 1/4 | | 1/4 | |
| 1/2 | 63,672 | 1/2 | 52,848 | 1/2 | 42,025 | 1/2 | 31,201 | 1/2 | 20,409 | 1/2 | 9,590 | 1/2 | | 1/2 | |
| 3/4 | 63,447 | 3/4 | 52,623 | 3/4 | 41,799 | 3/4 | 30,976 | 3/4 | 20,184 | 3/4 | 9,364 | 3/4 | | 3/4 | |
| 4 | 63,221 | 4 | 52,397 | 4 | 41,574 | 4 | 30,750 | 4 | 19,960 | 4 | 9,139 | 4 | | 4 | |
| 1/4 | 62,996 | 1/4 | 52,172 | 1/4 | 41,348 | 1/4 | 30,525 | 1/4 | 19,735 | 1/4 | 8,914 | 1/4 | | 1/4 | |
| 1/2 | 62,770 | 1/2 | 51,946 | 1/2 | 41,123 | 1/2 | 30,299 | 1/2 | 19,510 | 1/2 | 8,688 | 1/2 | | 1/2 | |
| 3/4 | 62,545 | 3/4 | 51,721 | 3/4 | 40,897 | 3/4 | 30,074 | 3/4 | 19,286 | 3/4 | 8,463 | 3/4 | | 3/4 | |
| 5 | 62,319 | 5 | 51,496 | 5 | 40,672 | 5 | 29,848 | 5 | 19,060 | 5 | 8,237 | 5 | | 5 | |
| 1/4 | 62,094 | 1/4 | 51,270 | 1/4 | 40,446 | 1/4 | 29,623 | 1/4 | 18,835 | 1/4 | 8,012 | 1/4 | | 1/4 | |
| 1/2 | 61,868 | 1/2 | 51,045 | 1/2 | 40,221 | 1/2 | 29,397 | 1/2 | 18,609 | 1/2 | 7,786 | 1/2 | | 1/2 | |
| 3/4 | 61,643 | 3/4 | 50,819 | 3/4 | 39,996 | 3/4 | 29,172 | 3/4 | 18,384 | 3/4 | 7,561 | 3/4 | | 3/4 | |
| 6 | 61,417 | 6 | 50,594 | 6 | 39,770 | 6 | 28,946 | 6 | 18,158 | 6 | 7,335 | 6 | | 6 | |
| 1/4 | 61,192 | 1/4 | 50,368 | 1/4 | 39,545 | 1/4 | 28,721 | 1/4 | 17,933 | 1/4 | 7,110 | 1/4 | | 1/4 | |
| 1/2 | 60,966 | 1/2 | 50,143 | 1/2 | 39,319 | 1/2 | 28,495 | 1/2 | 17,707 | 1/2 | 6,884 | 1/2 | | 1/2 | |
| 3/4 | 60,741 | 3/4 | 49,917 | 3/4 | 39,094 | 3/4 | 28,270 | 3/4 | 17,482 | 3/4 | 6,659 | 3/4 | | 3/4 | |
| 7 | 60,515 | 7 | 49,692 | 7 | 38,868 | 7 | 28,045 | 7 | 17,256 | 7 | 6,433 | 7 | | 7 | |
| 1/4 | 60,290 | 1/4 | 49,466 | 1/4 | 38,643 | 1/4 | 27,820 | 1/4 | 17,031 | 1/4 | 6,208 | 1/4 | | 1/4 | |
| 1/2 | 60,064 | 1/2 | 49,241 | 1/2 | 38,417 | 1/2 | 27,596 | 1/2 | 16,805 | 1/2 | 5,982 | 1/2 | | 1/2 | |
| 3/4 | 59,839 | 3/4 | 49,015 | 3/4 | 38,192 | 3/4 | 27,371 | 3/4 | 16,580 | 3/4 | 5,757 | 3/4 | | 3/4 | |
| 8 | 59,613 | 8 | 48,790 | 8 | 37,966 | 8 | 27,146 | 8 | 16,354 | 8 | 5,531 | 8 | | 8 | |
| 1/4 | 59,388 | 1/4 | 48,564 | 1/4 | 37,741 | 1/4 | 26,922 | 1/4 | 16,129 | 1/4 | 5,306 | 1/4 | | 1/4 | |
| 1/2 | 59,162 | 1/2 | 48,339 | 1/2 | 37,515 | 1/2 | 26,697 | 1/2 | 15,903 | 1/2 | 5,080 | 1/2 | | 1/2 | |
| 3/4 | 58,937 | 3/4 | 48,113 | 3/4 | 37,290 | 3/4 | 26,473 | 3/4 | 15,678 | 3/4 | 4,855 | 3/4 | | 3/4 | |
| 9 | 58,711 | 9 | 47,888 | 9 | 37,064 | 9 | 26,248 | 9 | 15,452 | 9 | 4,629 | 9 | | 9 | |
| 1/4 | 58,486 | 1/4 | 47,662 | 1/4 | 36,839 | 1/4 | 26,023 | 1/4 | 15,227 | 1/4 | 4,404 | 1/4 | | 1/4 | |
| 1/2 | 58,260 | 1/2 | 47,437 | 1/2 | 36,613 | 1/2 | 25,799 | 1/2 | 15,001 | 1/2 | 4,179 | 1/2 | | 1/2 | |
| 3/4 | 58,035 | 3/4 | 47,211 | 3/4 | 36,388 | 3/4 | 25,574 | 3/4 | 14,776 | 3/4 | 3,954 | 3/4 | | 3/4 | |
| 10 | 57,809 | 10 | 46,986 | 10 | 36,162 | 10 | 25,350 | 10 | 14,551 | 10 | 3,728 | 10 | | 10 | |
| 1/4 | 57,584 | 1/4 | 46,760 | 1/4 | 35,937 | 1/4 | 25,125 | 1/4 | 14,325 | 1/4 | 3,503 | 1/4 | | 1/4 | |
| 1/2 | 57,358 | 1/2 | 46,535 | 1/2 | 35,711 | 1/2 | 24,900 | 1/2 | 14,100 | 1/2 | 3,279 | 1/2 | | 1/2 | |
| 3/4 | 57,133 | 3/4 | 46,309 | 3/4 | 35,486 | 3/4 | 24,676 | 3/4 | 13,874 | 3/4 | 3,054 | 3/4 | | 3/4 | |
| 11 | 56,907 | 11 | 46,084 | 11 | 35,260 | 11 | 24,451 | 11 | 13,649 | 11 | 2,829 | 11 | | 11 | |
| 1/4 | 56,682 | 1/4 | 45,858 | 1/4 | 35,035 | 1/4 | 24,227 | 1/4 | 13,423 | 1/4 | 2,604 | 1/4 | | 1/4 | |
| 1/2 | 56,456 | 1/2 | 45,633 | 1/2 | 34,809 | 1/2 | 24,002 | 1/2 | 13,198 | 1/2 | 2,381 | 1/2 | | 1/2 | |
| 3/4 | 56,231 | 3/4 | 45,407 | 3/4 | 34,584 | 3/4 | 23,778 | 3/4 | 12,972 | 3/4 | 2,157 | 3/4 | | 3/4 | |

** Volume below Strike Point.

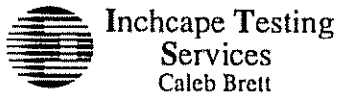
Reissued : April 1996
Strapped : 21 April 1981
Computed : W F

For Open Gauging to lip of Hermetic Valve add 1' 5 1/2" to Observed Ullage.

Calculated per API 2553/66

Total Gauge Height - 17' 1 5/8" to 0' 00" of Hermetic Gauging Unit.
Gauge Point located 21' 10" from Forward Bulkhead near Centerline.

ULLAGE TABLE



IB949

HULL NUMBER 8021

TANK

3

Capacities in Gallons

Table Scaled from Reference 0' 00" of Hermetic Gauging Unit

Page 1 of 2

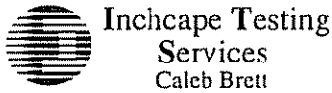
| 3 FEET | | 4 FEET | | 5 FEET | | 6 FEET | | 7 FEET | | 8 FEET | | 9 FEET | | 10 FEET | |
|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|--------|---------|--------|
| 0 | | 0 | 142,785 | 0 | 132,701 | 0 | 122,289 | 0 | 111,499 | 0 | 100,554 | 0 | 89,610 | 0 | 78,665 |
| 1/4 | | 1/4 | 142,576 | 1/4 | 132,489 | 1/4 | 122,069 | 1/4 | 111,271 | 1/4 | 100,326 | 1/4 | 89,382 | 1/4 | 78,437 |
| 1/2 | | 1/2 | 142,366 | 1/2 | 132,276 | 1/2 | 121,848 | 1/2 | 111,043 | 1/2 | 100,098 | 1/2 | 89,154 | 1/2 | 78,209 |
| 3/4 | | 3/4 | 142,157 | 3/4 | 132,063 | 3/4 | 121,627 | 3/4 | 110,815 | 3/4 | 99,870 | 3/4 | 88,926 | 3/4 | 77,981 |
| 1 | | 1 | 141,948 | 1 | 131,849 | 1 | 121,405 | 1 | 110,587 | 1 | 99,642 | 1 | 88,698 | 1 | 77,753 |
| 1/4 | 148,013 | 1/4 | 141,739 | 1/4 | 131,635 | 1/4 | 121,183 | 1/4 | 110,359 | 1/4 | 99,414 | 1/4 | 88,470 | 1/4 | 77,525 |
| 1/2 | 148,001 | 1/2 | 141,530 | 1/2 | 131,421 | 1/2 | 120,961 | 1/2 | 110,131 | 1/2 | 99,186 | 1/2 | 88,242 | 1/2 | 77,297 |
| 3/4 | 147,990 | 3/4 | 141,321 | 3/4 | 131,207 | 3/4 | 120,739 | 3/4 | 109,903 | 3/4 | 98,958 | 3/4 | 88,014 | 3/4 | 77,069 |
| 2 | | 2 | 141,112 | 2 | 130,993 | 2 | 120,517 | 2 | 109,675 | 2 | 98,730 | 2 | 87,786 | 2 | 76,841 |
| 1/4 | 147,978 | 1/4 | 140,903 | 1/4 | 130,778 | 1/4 | 120,295 | 1/4 | 109,447 | 1/4 | 98,502 | 1/4 | 87,558 | 1/4 | 76,613 |
| 1/2 | 147,932 | 1/2 | 140,693 | 1/2 | 130,564 | 1/2 | 120,073 | 1/2 | 109,219 | 1/2 | 98,274 | 1/2 | 87,330 | 1/2 | 76,385 |
| 3/4 | 147,897 | 3/4 | 140,484 | 3/4 | 130,350 | 3/4 | 119,851 | 3/4 | 108,991 | 3/4 | 98,046 | 3/4 | 87,102 | 3/4 | 76,157 |
| 3 | | 3 | 140,275 | 3 | 130,135 | 3 | 119,627 | 3 | 108,763 | 3 | 97,818 | 3 | 86,874 | 3 | 75,929 |
| 1/4 | 147,862 | 1/4 | 140,066 | 1/4 | 129,919 | 1/4 | 119,404 | 1/4 | 108,535 | 1/4 | 97,590 | 1/4 | 86,646 | 1/4 | 75,701 |
| 1/2 | 147,769 | 1/2 | 139,857 | 1/2 | 129,704 | 1/2 | 119,181 | 1/2 | 108,307 | 1/2 | 97,362 | 1/2 | 86,418 | 1/2 | 75,473 |
| 3/4 | 147,711 | 3/4 | 139,648 | 3/4 | 129,489 | 3/4 | 118,957 | 3/4 | 108,079 | 3/4 | 97,134 | 3/4 | 86,190 | 3/4 | 75,245 |
| 4 | | 4 | 139,439 | 4 | 129,273 | 4 | 118,734 | 4 | 107,851 | 4 | 96,906 | 4 | 85,962 | 4 | 75,017 |
| 1/4 | 147,653 | 1/4 | 139,229 | 1/4 | 129,058 | 1/4 | 118,510 | 1/4 | 107,623 | 1/4 | 96,678 | 1/4 | 85,734 | 1/4 | 74,789 |
| 1/2 | 147,513 | 1/2 | 139,020 | 1/2 | 128,842 | 1/2 | 118,287 | 1/2 | 107,395 | 1/2 | 96,450 | 1/2 | 85,506 | 1/2 | 74,561 |
| 3/4 | 147,432 | 3/4 | 138,811 | 3/4 | 128,627 | 3/4 | 118,064 | 3/4 | 107,167 | 3/4 | 96,222 | 3/4 | 85,278 | 3/4 | 74,333 |
| 5 | | 5 | 138,602 | 5 | 128,410 | 5 | 117,839 | 5 | 106,939 | 5 | 95,994 | 5 | 85,049 | 5 | 74,105 |
| 1/4 | 147,351 | 1/4 | 138,393 | 1/4 | 128,193 | 1/4 | 117,614 | 1/4 | 106,711 | 1/4 | 95,766 | 1/4 | 84,821 | 1/4 | 73,877 |
| 1/2 | 147,269 | 1/2 | 138,184 | 1/2 | 127,977 | 1/2 | 117,390 | 1/2 | 106,483 | 1/2 | 95,538 | 1/2 | 84,593 | 1/2 | 73,649 |
| 3/4 | 147,165 | 3/4 | 137,975 | 3/4 | 127,760 | 3/4 | 117,165 | 3/4 | 106,255 | 3/4 | 95,310 | 3/4 | 84,365 | 3/4 | 73,421 |
| 6 | | 6 | 137,766 | 6 | 127,543 | 6 | 116,940 | 6 | 106,027 | 6 | 95,082 | 6 | 84,137 | 6 | 73,193 |
| 1/4 | 147,060 | 1/4 | 137,556 | 1/4 | 127,326 | 1/4 | 116,715 | 1/4 | 105,799 | 1/4 | 94,854 | 1/4 | 83,909 | 1/4 | 72,965 |
| 1/2 | 146,932 | 1/2 | 137,347 | 1/2 | 127,110 | 1/2 | 116,491 | 1/2 | 105,571 | 1/2 | 94,626 | 1/2 | 83,681 | 1/2 | 72,737 |
| 3/4 | 146,830 | 3/4 | 137,138 | 3/4 | 126,893 | 3/4 | 116,266 | 3/4 | 105,343 | 3/4 | 94,398 | 3/4 | 83,453 | 3/4 | 72,509 |
| 7 | | 7 | 136,928 | 7 | 126,675 | 7 | 116,040 | 7 | 105,115 | 7 | 94,170 | 7 | 83,225 | 7 | 72,281 |
| 1/4 | 146,711 | 1/4 | 136,718 | 1/4 | 126,457 | 1/4 | 115,814 | 1/4 | 104,887 | 1/4 | 93,942 | 1/4 | 82,997 | 1/4 | 72,053 |
| 1/2 | 146,630 | 1/2 | 136,507 | 1/2 | 126,239 | 1/2 | 115,588 | 1/2 | 104,659 | 1/2 | 93,714 | 1/2 | 82,769 | 1/2 | 71,825 |
| 3/4 | 146,513 | 3/4 | 136,297 | 3/4 | 126,021 | 3/4 | 115,362 | 3/4 | 104,431 | 3/4 | 93,486 | 3/4 | 82,541 | 3/4 | 71,597 |
| 8 | | 8 | 136,087 | 8 | 125,802 | 8 | 115,136 | 8 | 104,203 | 8 | 93,258 | 8 | 82,313 | 8 | 71,369 |
| 1/4 | 146,432 | 1/4 | 135,877 | 1/4 | 125,584 | 1/4 | 114,910 | 1/4 | 103,975 | 1/4 | 93,030 | 1/4 | 82,085 | 1/4 | 71,141 |
| 1/2 | 146,330 | 1/2 | 135,667 | 1/2 | 125,366 | 1/2 | 114,684 | 1/2 | 103,747 | 1/2 | 92,802 | 1/2 | 81,857 | 1/2 | 70,913 |
| 3/4 | 146,228 | 3/4 | 135,457 | 3/4 | 125,148 | 3/4 | 114,458 | 3/4 | 103,519 | 3/4 | 92,574 | 3/4 | 81,629 | 3/4 | 70,685 |
| 9 | | 9 | 135,245 | 9 | 124,929 | 9 | 114,231 | 9 | 103,291 | 9 | 92,346 | 9 | 81,401 | 9 | 70,457 |
| 1/4 | 146,126 | 1/4 | 135,034 | 1/4 | 124,709 | 1/4 | 114,003 | 1/4 | 103,063 | 1/4 | 92,118 | 1/4 | 81,173 | 1/4 | 70,229 |
| 1/2 | 146,024 | 1/2 | 134,823 | 1/2 | 124,490 | 1/2 | 113,776 | 1/2 | 102,835 | 1/2 | 91,890 | 1/2 | 80,945 | 1/2 | 70,001 |
| 3/4 | 145,922 | 3/4 | 134,611 | 3/4 | 124,271 | 3/4 | 113,549 | 3/4 | 102,607 | 3/4 | 91,662 | 3/4 | 80,717 | 3/4 | 69,773 |
| 10 | | 10 | 134,400 | 10 | 124,051 | 10 | 113,321 | 10 | 102,379 | 10 | 91,434 | 10 | 80,489 | 10 | 69,545 |
| 1/4 | 145,820 | 1/4 | 134,188 | 1/4 | 123,832 | 1/4 | 113,094 | 1/4 | 102,151 | 1/4 | 91,206 | 1/4 | 80,261 | 1/4 | 69,317 |
| 1/2 | 145,718 | 1/2 | 133,977 | 1/2 | 123,612 | 1/2 | 112,867 | 1/2 | 101,923 | 1/2 | 90,978 | 1/2 | 80,033 | 1/2 | 69,088 |
| 3/4 | 145,616 | 3/4 | 133,765 | 3/4 | 123,393 | 3/4 | 112,639 | 3/4 | 101,695 | 3/4 | 90,750 | 3/4 | 79,805 | 3/4 | 68,860 |
| 11 | | 11 | 133,552 | 11 | 123,172 | 11 | 112,411 | 11 | 101,467 | 11 | 90,522 | 11 | 79,577 | 11 | 68,632 |
| 1/4 | 145,514 | 1/4 | 133,340 | 1/4 | 122,952 | 1/4 | 112,183 | 1/4 | 101,239 | 1/4 | 90,294 | 1/4 | 79,349 | 1/4 | 68,404 |
| 1/2 | 145,412 | 1/2 | 133,127 | 1/2 | 122,731 | 1/2 | 111,955 | 1/2 | 101,010 | 1/2 | 90,066 | 1/2 | 79,121 | 1/2 | 68,176 |
| 3/4 | 145,310 | 3/4 | 132,914 | 3/4 | 122,510 | 3/4 | 111,727 | 3/4 | 100,782 | 3/4 | 89,838 | 3/4 | 78,893 | 3/4 | 67,948 |

** Volume below Strike Point.

For Open Gauging to lip of Hermetic Valve add 1' 5 1/2" to Observed Ullage.

Total Gauge Height - 17' 1 3/4" to 0' 00" of Hermetic Gauging Unit.
 Gauge Point located 21' 10" from Forward Bulkhead near Centerline.

ULLAGE TABLE



IB949

TANK

3

HULL NUMBER 8021

Capacities in Gallons

Table Scaled from Reference 0' 00" of Hermetic Gauging Unit

Page 2 of 2

Table with 8 columns (11 FEET to 18 FEET) and multiple rows showing capacity values for various gauge heights (0, 1/4, 1/2, 3/4) for each foot level.

** Volume below Strike Point.

Reissued : April 1996
Strapped : 21 April 1981
Computed : W.F.

For Open Gauging to lip of Hermetic Valve add 1' 5 1/2" to Observed Ullage.

Calculated per API 2553/66

Total Gauge Height - 17' 1 3/4" to 0' 00" of Hermetic Gauging Unit.
Gauge Point located 21' 10" from Forward Bulkhead near Centerline.

ULLAGE TABLE