

PRESERVER
cc: JRRF

TANK CAPACITY TABLES

ARS - 8

Should be applicable to **SALVAGE SHIPS (ARS)** as well. *At*

13 "Escape" Class

BOLSTER	ARS 38	23 Dec 1944	GRASP	ARS 24	31 July 1943
CONSERVER	ARS 39	27 Jan 1945	HOIST	ARS 40	31 Mar 1945
CURRENT	ARS 22	25 Sep 1943	OPPORTUNE	ARS 41	31 Mar 1945
DELIVER	ARS 23	25 Sep 1943	PRESERVER	ARS 8	1 Apr 1943
ESCAPE	ARS 6	22 Nov 1942	RECLAIMER	ARS 42	25 June 1945
GRAPPLE	ARS 7	31 Dec 1942	RECOVERY	ARS 43	4 Aug 1945
			SAFEGUARD	ARS 25	20 Nov 1943

Displacement, tons 1 530 standard; 1 900 full load
Dimensions, feet 207 wl; 213.5 oa x 39 x 43 x 13
Guns 1—40 mm AA; 2—50 cal MG
Main engines Diesel-electric; 2 shafts; 2 440 shp = 14 knots
Complement 85

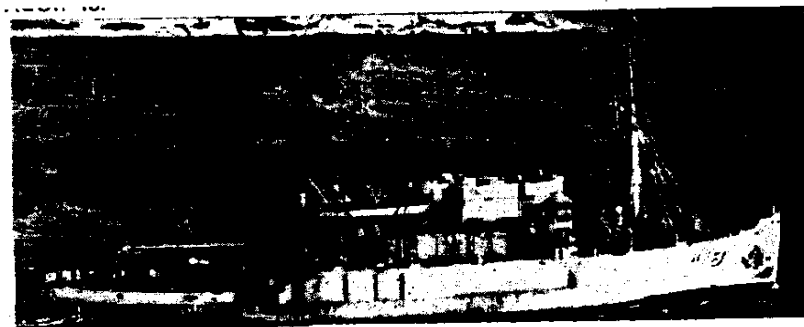
Built by Basalt Rock Co. *Cable* ARS 19, *Curb* ARS 21 and *Gear* ARS 34 are on loan to a private operator. *Clamp* (ex-*Atlantic Salvor*) ARS 33, was stricken in July 1963. A photograph of *Bolster* appears in the 1946-47 to 1957-58 editions, and of *Safeguard* in the 1958-59 to 1963-64 editions. Launch dates above.

PLAN No = ARS 8-801-2260354

REVISIONS

REV.	PAGE	DESCRIPTION	DATE	APPD.
A ⁶	16A	<u>ADDED</u> 1. SNDG TABLE FOR OILY WASTE WATER HOLDING TANK, FR 77-81, PORT.		
	2	2. ITEM 1, ABOVE, IN SUMMARY, PAGE 2.		
	-	3. ITEM 1, ABOVE, IN INDEX.		
		<u>MODIFIED</u>		
	9	4. SNDG TABLE FOR DIESEL OIL TANK, C-301-F.		
	1	5. ITEM 4 ABOVE, IN SUMMARY - DIESEL OIL TANKS.		
8	6. SNDG TABLE FOR DIESEL OIL TANK A-310-F, ALSO SUMMARY.			
				MG/JBD

10-22-82
J.S.
Duff



PRESERVER

1964, A. & J. Pavia

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SUMMARY - DIESEL OIL TANKS

TANK	FRAMES	FULL CAPACITY			95% CAPACITY			PAGES
		GALLONS	TONS	SOUNDING	GALLONS	TONS	SOUNDING	
B-901-F	49-55 (S)	3940	12.69	2'-7"	3745	12.07	2'-5½"	3, 17
B-902-F	49-55 (P)	3845	12.39	2'-7"	3655	11.78	2'-5½"	3, 17
B-903-F	55-62 (S)	4780	15.40	2'-7"	4540	14.63	2'-5½"	4, 18
B-904-F	55-62 (P)	4780	15.40	2'-7"	4540	14.63	2'-5½"	4, 18
B-905-F	62-67 (S)	3340	10.76	2'-7"	3175	10.23	2'-5½"	5, 19
B-906-F	62-67 (P)	3245	10.45	2'-7"	3085	9.94	2'-5½"	5, 20
B-907-F	67-77 (S)	4815	15.51	2'-7"	4575	14.74	2'-5½"	5, 20
B-908-F	67-77 (P)	4815	15.51	2'-7"	4575	14.74	2'-5½"	6, 21
A-308-F	44-49 (P)	10070	32.44	12'-0¾"	9565	30.82	11'-5"	7, 21
A-309-F	44-49 (S)	10180	32.80	11'-11¼"	9670	31.16	11'-3½"	8, 22
A-310-F	44-49 (L)	5315	17.12	11'-11-5/8"	5049	16.27	11'-0"	8, 22
C-301-F	77-85 (L)	8316	26.79	11'-11¼"	7900	25.45	11'-4"	9, 23
C-304-F	77-85 (P)	6850	22.07	8'-7¾"	6510	20.97	8'-2"	10, 24
C-305-F	77-85 (S)	6850	22.07	8'-7¾"	6510	20.97	8'-2"	11, 25
C-308-F	85-93 (P)	7480	24.10	10'-6½"	7105	22.89	10'-1½"	12, 25
B-201-F	49-55 (S)	2060	6.64	5'-4"	1955	6.30	4'-11½"	13
B-202-F	49-55 (P)	2060	6.64	5'-4"	1955	6.30	4'-11½"	13
	TOTAL	96268	310.42		91460	294.68		

LUBRICATING OIL TANK

C-307-LUB	85-93 (S)	7505	23.34	10'-6½"	7130	22.17	10'-1½"	11, 25
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ONE TON (2240 LB) OF DIESEL OIL = 310.4 U.S. GALLONS.
 ONE TON (2240 LB) OF LUBRICATING OIL = 321.6 U.S. GALLONS.
 NOTE :- ALL V.C.G.s ARE GIVEN ABOVE MOLDED BASELINE.

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SUMMARY - POTABLE WATER TANKS

TANK	FRAMES	FULL CAPACITY			HULL NOS.	PAGES
		GALLONS	TONS	SOUNDING		
A-1-W	STEM - 10	8580	31.86	21'-0 1/8"		14, 26
C-309-W	93 - 101	11985	44.50	12'-7"		15, 27
C-310-W	101 - STERN	7205	26.75	16'-4"		16, 28
A-304-W	39 - 44	8775	32.58	KING GAGE		—
	TOTAL	36545	135.69			

SUMMARY - SEWAGE HOLDING TANK

TANK	FRAMES	FULL CAPACITY			HULL NOS.	PAGES
		GALLONS	TONS	SOUNDING		
A-310 1/2-W	44 - 45 1/4	996	—	—		—

A₂

SUMMARY - OILY WASTE WATER HOLDING TANK

TANK	FRAMES	FULL CAPACITY			HULL NOS.	PAGES
		GALLONS	TONS	SOUNDING		
C-301-2W	77 - 81	2384	—	11'-9 1/4"		16A

ONE TON (2240 LB) OF FRESH WATER = 269.3 U.S. GALLONS.
 NOTE: - ALL V.C.G.s ARE GIVEN ABOVE MOLDED BASELINE.

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DIESEL OIL , B-901-F , DBL. BOTT. , FR. 49-55 , STBD.

VCG.	FT. IN.	0	1	2	3	4	5	6	7	8	9	10	11
0.09	0	195	290	390	490	595	705	815	925	1040	1155	1270	1390
0.62	1	1510	1635	1760	1885	2010	2140	2265	2390	2520	2645	2775	2905
1.18	2	3035	3165	3295	3425	3555	3680	3810	3940				
1.50	FULL	SOUNDING 2'-7" ; CAPACITY 3940 GALLONS.											
CAPACITY GIVEN IN U.S. GALLONS CORRESPONDING TO SOUNDING. LOWEST POINT OF TANK IS AT MOLDED BASELINE. ZERO SOUNDING IS 0'-2" ABOVE MOLDED BASELINE.													

DIESEL OIL , B-902-F , DBL BOTT. , FR. 49-55 , PORT.

VCG	FT IN	0	1	2	3	4	5	6	7	8	9	10	11
009	0	195	290	390	490	595	705	815	925	1040	1155	1270	1390
062	1	1510	1635	1750	1870	1990	2110	2235	2355	2480	2600	2725	2850
1.17	2	2975	3100	3225	3350	3475	3600	3725	3845				
1.49	FULL	SOUNDING 2'-7" ; CAPACITY 3845 GALLONS.											
CAPACITY GIVEN IN U.S. GALLONS CORRESPONDING TO SOUNDING. LOWEST POINT OF TANK IS AT MOLDED BASELINE. ZERO SOUNDING IS 0'-2" ABOVE MOLDED BASELINE.											ARS 8-801-2260354 PAGE 3		

DIESEL OIL , OVERFLOW TANK , B-905-F , DBL. BOTT. , FR. 62-67 , S.TBD.

V.C.G.	FT. \ IN.	0	1	2	3	4	5	6	7	8	9	10	11
0.09	0	170	255	340	430	520	610	705	800	895	995	1095	1195
0.61	1	1295	1400	1500	1605	1710	1815	1920	2025	2135	2240	2350	2455
1.14	2	2565	2675	2785	2895	3005	3115	3225	3340				
1.48	FULL	SOUNDING 2'-7" ; CAPACITY 3340 GALLONS.											

CAPACITY GIVEN IN U.S. GALLONS CORRESPONDING TO SOUNDING.
 LOWEST POINT OF TANK IS AT MOLDED BASELINE.
 ZERO SOUNDING IS 0'-2" ABOVE MOLDED BASELINE.

DIESEL OIL , B-903-F , B-904-F , DBL. BOTT. , FR. 55-62 , P. & S.

V.C.G.	FT. \ IN.	0	1	2	3	4	5	6	7	8	9	10	11
0.09	0	260	390	520	655	795	935	1075	1215	1360	1500	1645	1790
0.61	1	1835	2085	2230	2380	2525	2670	2820	2965	3115	3260	3410	3555
1.13	2	3705	3855	4005	4155	4310	4465	4620	4780				
1.43	FULL	SOUNDING 2'-7" ; CAPACITY 4780 GALLONS.											

CAPACITY GIVEN IN U.S. GALLONS CORRESPONDING TO SOUNDING.
 LOWEST POINT OF TANK IS AT MOLDED BASELINE.
 ZERO SOUNDING IS 0'-2" ABOVE MOLDED BASELINE.

DIESEL OIL, B-907-F, B-908 F, DBL. BOTT., FR 67-77, P. & S.

VCG.	FT. IN	0	1	2	3	4	5	6	7	8	9	10	11
0.09	0	215	325	440	565	690	825	965	1110	1265	1420	1575	1740
0.59	1	1905	2075	2205	2345	2485	2630	2775	2925	3075	3225	3375	3530
1.10	2	3685	3845	4000	4160	4325	4485	4650	4815				
1.48	FULL	SOUNDING 2'-7" ; CAPACITY 4815 GALLONS.											

CAPACITY GIVEN IN U.S. GALLONS CORRESPONDING TO SOUNDING.
 LOWEST POINT OF TANK IS AT MOLDED BASELINE.
 ZERO SOUNDING IS 0'-2" ABOVE MOLDED BASELINE.

DIESEL OIL, OVERFLOW TANK, B-906-F, DBL. BOTT., FR. 62-67, PORT.

VCG.	FT. IN	0	1	2	3	4	5	6	7	8	9	10	11
0.09	0	170	255	340	430	520	610	705	800	895	995	1095	1195
0.61	1	1295	1400	1495	1595	1695	1795	1895	1995	2100	2200	2300	2405
1.13	2	2510	2615	2720	2825	2930	3035	3140	3245				
1.47	FULL	SOUNDING 2'-7" ; CAPACITY 3245 GALLONS.											

CAPACITY GIVEN IN U.S. GALLONS CORRESPONDING TO SOUNDING
 LOWEST POINT OF TANK IS AT MOLDED BASELINE.
 ZERO SOUNDING IS 0'-2" ABOVE MOLDED BASELINE.

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DIESEL OIL , A-308-F , HOLD , FR 44-49 , PORT.

V.C.G.	FT. IN.	0	1	2	3	4	5	6	7	8	9	10	11
0.23	0	50	80	105	135	170	205	245	285	330	375	420	470
0.72	1	520	570	625	680	735	790	845	905	965	1025	1080	1140
1.31	2	1200	1265	1325	1390	1450	1515	1575	1640	1700	1765	1825	1890
1.85	3	1950	2015	2080	2145	2205	2270	2335	2400	2470	2535	2600	2670
2.39	4	2735	2805	2875	2945	3015	3085	3155	3230	3300	3375	3450	3520
2.93	5	3595	3670	3745	3820	3890	3965	4040	4115	4190	4265	4340	4415
3.47	6	4490	4565	4640	4715	4790	4865	4940	5015	5095	5170	5245	5325
4.01	7	5400	5480	5555	5635	5710	5790	5865	5940	6020	6095	6170	6250
4.54	8	6325	6405	6480	6560	6635	6715	6795	6870	6950	7025	7105	7180
5.07	9	7260	7340	7420	7500	7580	7660	7735	7815	7895	7975	8055	8135
5.60	10	8215	8295	8375	8450	8530	8610	8690	8765	8845	8925	9005	9080
6.12	11	9160	9240	9320	9400	9480	9560	9640	9720	9800	9875	9960	10010
6.58	12	10045											
6.60	FULL	SOUNDING 12'-0 ⁵ / ₈ " ; CAPACITY 10070 GALLONS.											

CAPACITY GIVEN IN U.S. GALLONS CORRESPONDING TO SOUNDING.
 LOWEST POINT OF TANK IS 0'-0³/₈" ABOVE MOLDED BASELINE.
 ZERO SOUNDING IS 0'-2¹/₈" ABOVE MOLDED BASELINE.

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DIESEL OIL, A-309-F, HOLD, FR. 44-49, STBD.

VCG	FT. IN.	0	1	2	3	4	5	6	7	8	9	10	11
0.22	0	50	80	105	135	170	205	245	285	330	375	420	470
0.77	1	520	570	625	680	735	790	845	905	965	1025	1080	1140
1.32	2	1200	1265	1330	1395	1455	1520	1585	1650	1720	1785	1850	1920
1.86	3	1985	2055	2125	2195	2265	2335	2405	2475	2550	2620	2690	2765
2.41	4	2835	2910	2980	3055	3130	3200	3275	3350	3425	3500	3575	3650
2.94	5	3725	3800	3875	3950	4030	4105	4180	4255	4330	4405	4485	4560
3.49	6	4635	4715	4790	4870	4945	5025	5100	5180	5255	5335	5415	5490
4.03	7	5570	5650	5725	5805	5885	5960	6040	6120	6195	6275	6350	6430
4.56	8	6505	6585	6665	6745	6825	6905	6985	7065	7145	7225	7305	7385
5.10	9	7465	7545	7625	7705	7785	7865	7945	8025	8105	8185	8265	8345
5.63	10	8430	8510	8590	8670	8750	8830	8910	8990	9070	9150	9230	9310
6.14	11	9390	9470	9550	9630	9710	9790	9870	9950	10030	10100	10135	10170
6.56	FULL	SOUNDING 11'-11 1/4" , CAPACITY 10180 GALLONS.											

CAPACITY GIVEN IN US GALLONS CORRESPONDING TO SOUNDING
 LOWEST POINT OF TANK IS 0'-0 3/8" ABOVE MOLDED BASELINE.
 ZERO SOUNDING IS 0'-2 3/8" ABOVE MOLDED BASELINE.

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(A₆)

DIESEL OIL, A-310-F, HOLD, FR 44-49, CL

V.C.G.	IN.		0	1	2	3	4	5	6	7	8	9	10	11
	FT.													
0.08	0		131	208	284	361	437	514	590	667	744	820	899	973
0.59	1		1050	1125	1201	1276	1352	1427	1502	1578	1653	1729	1804	1880
1.10	2		1955	2031	2108	2184	2261	2337	2414	2490	2508	2525	2550	2575
1.49	3		2600	2625	2650	2675	2700	2725	2750	2775	2800	2825	2850	2875
1.83	4		2900	2926	2952	2977	3003	3029	3055	3081	3107	3132	3158	3184
2.19	5		3210	3235	3261	3286	3312	3337	3362	3388	3413	3439	3464	3490
2.53	6		3515	3540	3566	3591	3617	3642	3667	3693	3718	3744	3769	3795
2.89	7		3820	3845	3871	3896	3922	3947	3972	3998	4023	4049	4074	4100
3.23	8		4125	4150	4176	4201	4227	4252	4277	4303	4328	4354	4379	4405
3.58	9		4430	4456	4482	4507	4533	4559	4585	4611	4637	4662	4688	4714
3.93	10		4740	4766	4792	4817	4843	4869	4895	4921	4947	4972	4998	5024
4.28	11		5049	5072	5095	5118	5141	5163	5186	5209	5232	5255	5278	5301
4.28	95% FULL SOUNDING = 11'-0" CAPACITY = 5049 GALS													
4.60	100% FULL SOUNDING = 11'-11-5/8" CAPACITY = 5315 GALS													
CAPACITY GIVEN IN U.S. GALLONS CORRESPONDING TO SOUNDING LOWEST POINT OF TANK IS AT MOLDED BASELINE. ZERO SOUNDING IS 0'-2" ABOVE MOLDED BASELINE.										ARS 8-801-2260354 PAGE 8				

A₄

DIESEL OIL, C-301-F, HOLD, FR. 77-85 CL

V.C.G.	IN.	0	1	2	3	4	5	6	7	8	9	10	11
0.11	0	60	109	157	206	254	303	351	407	463	519	575	631
0.67	1	687	748	809	869	930	991	1052	1113	1174	1234	1295	1356
1.18	2	1417	1476	1535	1594	1653	1712	1770	1829	1888	1947	2006	2065
1.69	3	2124	2180	2237	2293	2350	2406	2462	2519	2575	2632	2688	2745
2.20	4	2801	2857	2914	2970	3027	3083	3139	3196	3252	3309	3365	3422
2.68	5	3478	3534	3591	3647	3704	3760	3816	3873	3929	3986	4042	4099
3.16	6	4155	4211	4266	4322	4377	4433	4488	4544	4600	4655	4711	4766
3.66	7	4822	4878	4935	4991	5048	5104	5160	5217	5273	5330	5386	5443
4.15	8	5499	5558	5616	5675	5733	5792	5850	5909	5967	6026	6084	6143
4.65	9	6201	6262	6323	6384	6446	6507	6568	6629	6690	6751	6813	6874
5.17	10	6935	6996	7058	7119	7180	7241	7303	7364	7425	7486	7548	7609
5.70	11	7670	7727	7785	7842	7900	7957	8015	8072	8129	8187	8244	8302
5.86	95% FULL - 11'-4" SOUNDING = 7900 GALS												
6.15	100% FULL - 11'-11-1/4" SOUNDING = 8316 GALS												

CAPACITY IS GIVEN IN U.S. GALLONS CORRESPONDING TO SOUNDING.
LOWEST POINT OF TANK IS AT MOLDED BASE LINE
ZERO SOUNDING IS 0'-2" ABOVE MOLDED BASE LINE

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DIESEL OIL , C-304-F , C-305-F , HOLD , FR. 77-85 , P+S.

V.C.G.	FT. \ IN.	0	1	2	3	4	5	6	7	8	9	10	11
2.90	0	440	475	510	545	580	615	655	695	735	775	815	855
3.55	1	895	940	980	1025	1070	1115	1160	1210	1260	1305	1355	1400
4.18	2	1450	1500	1550	1605	1660	1715	1775	1825	1880	1935	1990	2050
4.79	3	2110	2170	2225	2285	2350	2410	2470	2530	2590	2655	2715	2775
5.40	4	2845	2910	2975	3045	3110	3175	3245	3310	3375	3445	3515	3585
5.99	5	3650	3720	3790	3860	3930	4000	4070	4140	4210	4285	4360	4430
6.57	6	4500	4575	4650	4725	4800	4875	4945	5020	5100	5180	5255	5330
7.16	7	5405	5485	5560	5640	5720	5800	5880	5955	6030	6110	6185	6265
7.72	8	6340	6425	6505	6585	6670	6735	6780	6815				
8.02	FULL	SOUNDING 8'-7 ³ / ₄ "; CAPACITY 6850 GALLONS.											

CAPACITY GIVEN IN U.S. GALLONS CORRESPONDING TO SOUNDING.
 LOWEST POINT OF TANK IS 0'-10" ABOVE MOLDED BASELINE.
 ZERO SOUNDING IS 3'-8¹/₈" ABOVE MOLDED BASELINE.

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LUBRICATING OIL, C-307-LUB, HOLD, FR. 85-93, STBD.

VCG.	FT. IN.	0	1	2	3	4	5	6	7	8	9	10	11
1.67	0	15	20	25	30	35	45	55	65	75	85	100	115
2.38	1	130	150	165	185	205	225	245	270	290	315	340	365
3.09	2	390	415	440	465	495	520	545	575	610	640	670	700
3.72	3	735	770	805	840	875	915	955	995	1035	1080	1125	1165
4.34	4	1215	1265	1320	1370	1425	1480	1535	1595	1650	1710	1775	1835
5.08	5	1900	1965	2030	2095	2165	2230	2300	2370	2440	2515	2590	2655
5.77	6	2735	2805	2875	2950	3025	3100	3180	3255	3335	3415	3495	3575
6.43	7	3655	3735	3820	3905	3990	4075	4160	4245	4335	4420	4505	4595
7.08	8	4685	4775	4865	4955	5050	5140	5235	5325	5420	5515	5610	5705
7.72	9	5800	5900	6000	6100	6200	6300	6400	6505	6605	6710	6810	6915
8.36	10	7020	7120	7225	7315	7370	7425	7475					
8.58	FULL.	SOUNDING 10'-6 ⁵ / ₈ " ; CAPACITY, 7505 GALLONS											
CAPACITY GIVEN IN U.S. GALLONS CORRESPONDING TO SOUNDING. LOWEST POINT OF TANK IS 1'-1 ³ / ₈ " ABOVE MOLDED BASELINE. ZERO SOUNDING IS 1'-10 ³ / ₈ " ABOVE MOLDED BASELINE.												ARS 8-801-2260354 PAGE 11	

DIESEL OIL, C-308-F, HOLD, FR. 85-93, PORT

V.C.G.	FT. IN	0	1	2	3	4	5	6	7	8	9	10	11
167	0	15	20	25	30	35	45	55	65	75	85	100	115
2.38	1	130	145	160	180	200	220	240	260	280	305	330	350
309	2	375	400	425	450	480	505	525	555	580	615	645	675
372	3	710	745	780	815	850	890	930	970	1010	1055	1100	1140
434	4	1190	1240	1295	1345	1400	1455	1510	1570	1625	1685	1750	1810
508	5	1875	1940	2005	2070	2140	2205	2275	2345	2415	2490	2565	2630
577	6	2710	2780	2850	2925	3000	3075	3155	3230	3310	3390	3470	3550
643	7	3630	3710	3795	3880	3965	4050	4135	4220	4310	4395	4480	4570
708	8	4660	4750	4840	4930	5025	5115	5210	5300	5395	5490	5585	5680
772	9	5775	5875	5975	6075	6175	6275	6375	6480	6580	6685	6785	6890
836	10	6995	7095	7200	7290	7345	7400	7450					
858	FULL	SOUNDING 10'-6 ⁵ / ₈ " ; CAPACITY 7480 GALLONS											

CAPACITY GIVEN IN U.S. GALLONS CORRESPONDING TO SOUNDING.
 LOWEST POINT OF TANK IS 1'-1³/₈" ABOVE MOLDED BASELINE.
 ZERO SOUNDING IS 1'-10³/₈" ABOVE MOLDED BASELINE.

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DIESEL OIL SERVICE TANKS, B-201-F, B-202-F, 1ST PLATFORM, FR. 49-55, P.4S

V.C.G.	IN. FT.	0	1	2	3	4	5	6	7	8	9	10	11
11.96	0	100	130	160	195	225	255	285	315	350	380	410	440
12.56	1	470	505	535	565	595	630	660	690	720	750	785	815
13.06	2	845	875	910	940	970	1000	1030	1065	1095	1125	1155	1190
13.57	3	1220	1250	1280	1310	1345	1375	1405	1435	1470	1500	1530	1560
14.07	4	1595	1625	1655	1685	1720	1750	1780	1810	1845	1875	1905	1935
14.58	5	1970	2000	2030	2050	2060							
14.65	FULL	SOUNDING 5'-4" ; CAPACITY 2060 GALLONS											

CAPACITY GIVEN IN U.S. GALLONS CORRESPONDING TO SOUNDING.
 LOWEST POINT OF TANK IS 11'-9³/₄" ABOVE MOLDED BASELINE.
 ZERO SOUNDING IS 12'-1" ABOVE MOLDED BASELINE.

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POTABLE WATER , A-I-W , FOREPEAK , STFM - FR. 10

VCG.	FT. \ IN.	0	1	2	3	4	5	6	7	8	9	10	11
2.17	0	10	15	20	30	40	50	55	65	75	85	95	105
2.77	1	115	125	135	145	160	170	185	200	210	225	240	255
3.26	2	270	285	300	320	335	350	370	385	400	420	440	455
3.95	3	475	495	515	535	555	575	595	615	640	660	680	705
4.54	4	725	750	775	795	815	840	860	885	910	935	955	980
5.13	5	1005	1030	1055	1080	1105	1130	1160	1185	1210	1235	1265	1290
5.72	6	1315	1340	1370	1395	1425	1450	1475	1505	1535	1560	1590	1620
6.31	7	1650	1675	1705	1735	1765	1795	1825	1855	1885	1915	1945	1975
6.90	8	2005	2035	2065	2100	2130	2160	2190	2220	2255	2285	2320	2350
7.50	9	2380	2410	2445	2475	2510	2545	2575	2610	2640	2675	2710	2740
8.10	10	2775	2810	2845	2880	2915	2950	2985	3015	3050	3085	3120	3155
8.69	11	3190	3225	3260	3295	3330	3365	3405	3440	3480	3515	3555	3590
9.29	12	3630	3665	3700	3740	3775	3815	3855	3895	3930	3965	4005	4040
9.89	13	4080	4120	4160	4200	4240	4280	4320	4360	4400	4440	4480	4520
10.50	14	4565	4605	4645	4690	4730	4770	4810	4855	4895	4940	4980	5025
11.11	15	5070	5110	5155	5200	5240	5285	5330	5375	5420	5465	5505	5550
11.74	16	5595	5640	5685	5730	5780	5825	5875	5925	5975	6025	6075	6125
12.40	17	6175	6225	6275	6325	6375	6425	6480	6535	6590	6645	6700	6755
13.06	18	6810	6865	6920	6975	7035	7090	7150	7205	7265	7325	7385	7445
13.76	19	7505	7565	7630	7690	7750	7815	7880	7950	8015	8080	8150	8215
14.49	20	8285	8355	8375	8395	8415	8435	8455	8475	8495	8515	8535	8560
14.80	FULL	SOUNDING 21'-0 1/8" ; CAPACITY 8580 GALLONS.											
CAPACITY GIVEN IN U.S. GALLONS CORRESPONDING TO SOUNDING. LOWEST POINT OF TANK IS 2'-0" ABOVE MOLDED BASELINE. ZERO SOUNDING IS 2'-2" ABOVE MOLDED BASELINE										ARS 8-801-2260354 PAGE 14			

POTABLE WATER, AFTTPEAK N^o 1, C-309-W, HOLD, FR. 93-10

V.C.G.	FT. IN	0	1	2	3	4	5	6	7	8	9	10	11
0.09	0	4	6	8	10	13	16	19	22	25	28	31	35
0.65	1	39	43	47	51	55	61	66	71	76	81	86	93
1.25	2	99	105	111	118	124	131	139	146	154	161	169	177
1.88	3	186	195	203	212	220	230	240	250	260	270	280	291
2.52	4	302	314	325	336	347	360	372	385	398	410	435	500
3.70	5	510	635	705	775	845	915	985	1060	1135	1210	1290	1365
4.92	6	1445	1525	1610	1690	1775	1860	1950	2040	2130	2220	2315	2410
5.68	7	2505	2605	2705	2810	2915	3020	3125	3230	3340	3450	3565	3680
6.35	8	3195	3910	4025	4145	4265	4385	4505	4630	4755	4880	5010	5140
7.00	9	5270	5400	5535	5670	5810	5950	6090	6235	6380	6525	6670	6815
7.67	10	6965	7120	7280	7440	7600	7760	7920	8080	8240	8400	8565	8730
8.28	11	8900	9010	9240	9415	9590	9770	9950	10130	10310	10490	10670	10850
8.87	12	11035	11215	11395	11575	11755	11935	11960	11985				
9.38	FULL	SOUNDING 12'-7" ; CAPACITY 11985 GALLONS											
CAPACITY GIVEN IN U.S. GALLONS CORRESPONDING TO SOUNDING. LOWEST POINT OF TANK IS AT MOLDED BASELINE. ZERO SOUNDING IS 0'-2" ABOVE MOLDED BASELINE.													ARS 8-801-2260354 PAGE 15

POTABLE WATER, AFTPEAK N^o. 2, C-310-W, HOLD, FR. 101-STERN

V.C.G.	FT. IN.	0	1	2	3	4	5	6	7	8	9	10	11
0.10	0	10	20	25	35	40	50	60	65	75	80	90	95
0.71	1	105	115	125	130	140	150	160	170	180	190	200	210
1.32	2	220	230	240	250	260	275	285	295	310	320	335	345
1.92	3	360	370	385	400	410	425	440	450	465	480	490	505
2.50	4	520	535	550	565	585	600	615	630	645	660	680	695
3.08	5	710	725	745	760	780	800	815	835	850	870	890	910
3.68	6	930	950	970	990	1010	1030	1050	1070	1090	1110	1135	1155
4.30	7	1180	1210	1230	1250	1275	1300	1325	1350	1375	1405	1435	1460
4.88	8	1490	1520	1550	1580	1610	1640	1670	1705	1735	1770	1805	1840
5.63	9	1880	1915	1955	1990	2030	2070	2110	2150	2195	2240	2285	2330
6.54	10	2380	2425	2475	2525	2580	2630	2685	2740	2795	2855	2915	2975
7.44	11	3040	3105	3170	3235	3305	3375	3350	3525	3600	3680	3765	3850
8.44	12	3935	4020	4110	4205	4300	4405	4510	4620	4675	4735	4775	4820
9.24	13	4870	4920	4975	5030	5085	5140	5195	5255	5315	5380	5445	5510
9.81	14	5575	5645	5715	5790	5860	5935	6010	6085	6165	6245	6335	6415
10.48	15	6495	6580	6665	6750	6845	6875	6905	6935	6965	6995	7025	7055
10.91	16	7085	7115	7145	7175	7205							
10.98	FULL	SOUNDING 16'-4" ; CAPACITY 7205 GALLONS											
CAPACITY GIVEN IN U.S. GALLONS CORRESPONDING TO SOUNDING. LOWEST POINT OF TANK IS AT MOLDED BASELINE. ZERO SOUNDING IS 0'-2" ABOVE MOLDED BASELINE.										ARS 8-801-2260354 PAGE 16			

(A)

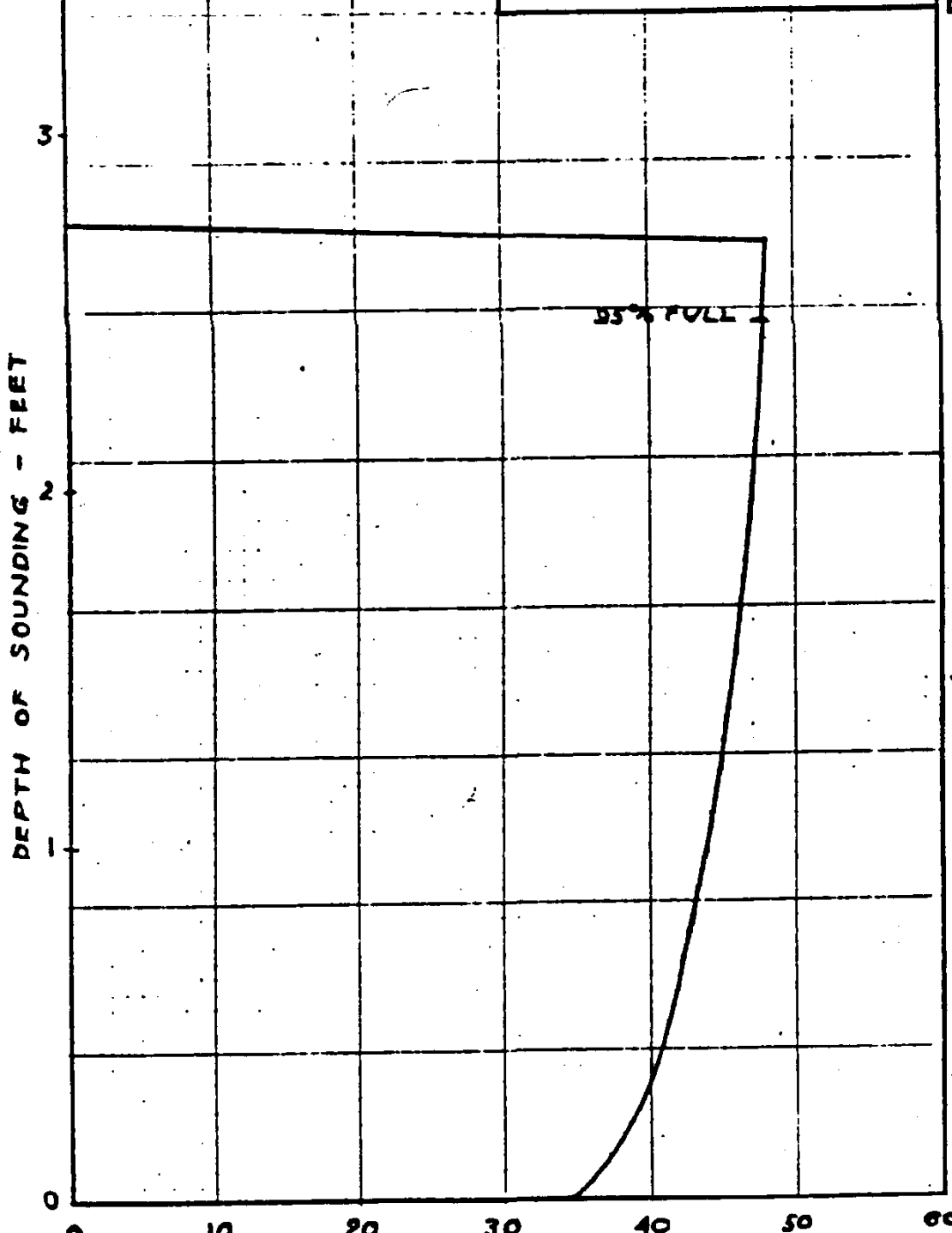
OILY WASTE WATER HOLDING TANK, C-301-2 W, HOLD, FR 77-81, PORT

V.C.G.	IN		0	1	2	3	4	5	6	7	8	9	10	11
	FT													
0.08	0		5	17	28	40	52	63	75	92	109	127	144	161
0.68	1		178	195	212	229	246	263	280	297	314	331	348	365
1.18	2		383	400	417	434	451	468	484	501	518	535	552	569
1.69	3		586	603	620	637	654	671	687	704	721	738	755	772
2.17	4		789	806	823	840	857	874	890	907	924	941	958	975
2.68	5		992	1009	1026	1043	1060	1077	1093	1110	1127	1144	1161	1178
3.19	6		1195	1213	1231	1248	1266	1284	1302	1319	1337	1355	1373	1390
3.70	7		1408	1425	1442	1459	1476	1492	1509	1526	1543	1560	1577	1594
4.21	8		1611	1628	1645	1662	1679	1696	1712	1729	1746	1763	1780	1797
4.70	9		1814	1831	1848	1865	1883	1900	1917	1934	1951	1968	1986	2003
5.20	10		2020	2037	2054	2071	2088	2105	2122	2140	2157	2174	2191	2208
5.70	11		2225	2242	2259	2277	2294	2311	2328	2345	2363	2380		
5.80	95% FULL - 11'-2" SOUNDING = 2265 GALS													
6.10	100% FULL - 11'-9-1/4" SOUNDING = 2384 GALS													

CAPACITY GIVEN IN U.S. GALLONS CORRESPONDING TO SOUNDING.
 LOWEST POINT OF TANK IS AT MOLDED BASE LINE.
 ZERO SOUNDING IS 0'-1-1/2" ABOVE MOLDED BASE LINE.

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PAGE 16A

B-901-F, B-902-F
FR. 49-55, P&S
DIESEL OIL



DEPTH OF SOUNDING - FEET

CORRECTION IN GALLONS
TO ADD FOR 1 FOOT OF TRIM BY STERN

B 903-F . B-904-F
FR. 55-62 , F&S
DIESEL OIL

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DEPTH OF SOUNDING - FEET

3

2

1

0

95% FULL

0 20 40 60 80 100 120

CORRECTION IN BALLONS
SUBTRACT FOR 1 FOOT OF TRIM BY STERN

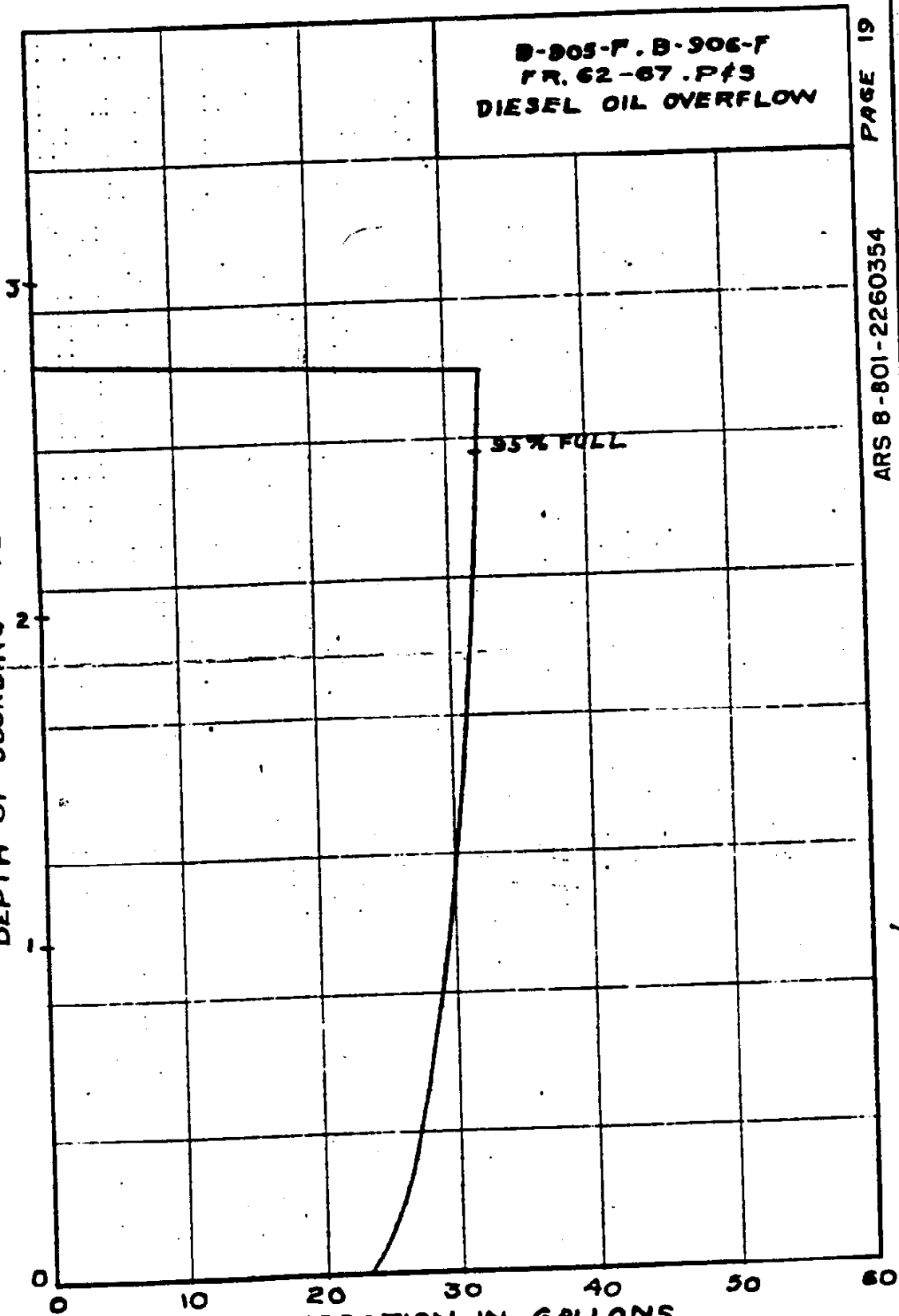
ARS 8-801-2260354

B-905-F . B-906-F
FR. 62-67 . P43
DIESEL OIL OVERFLOW

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ARS B-801-2260354

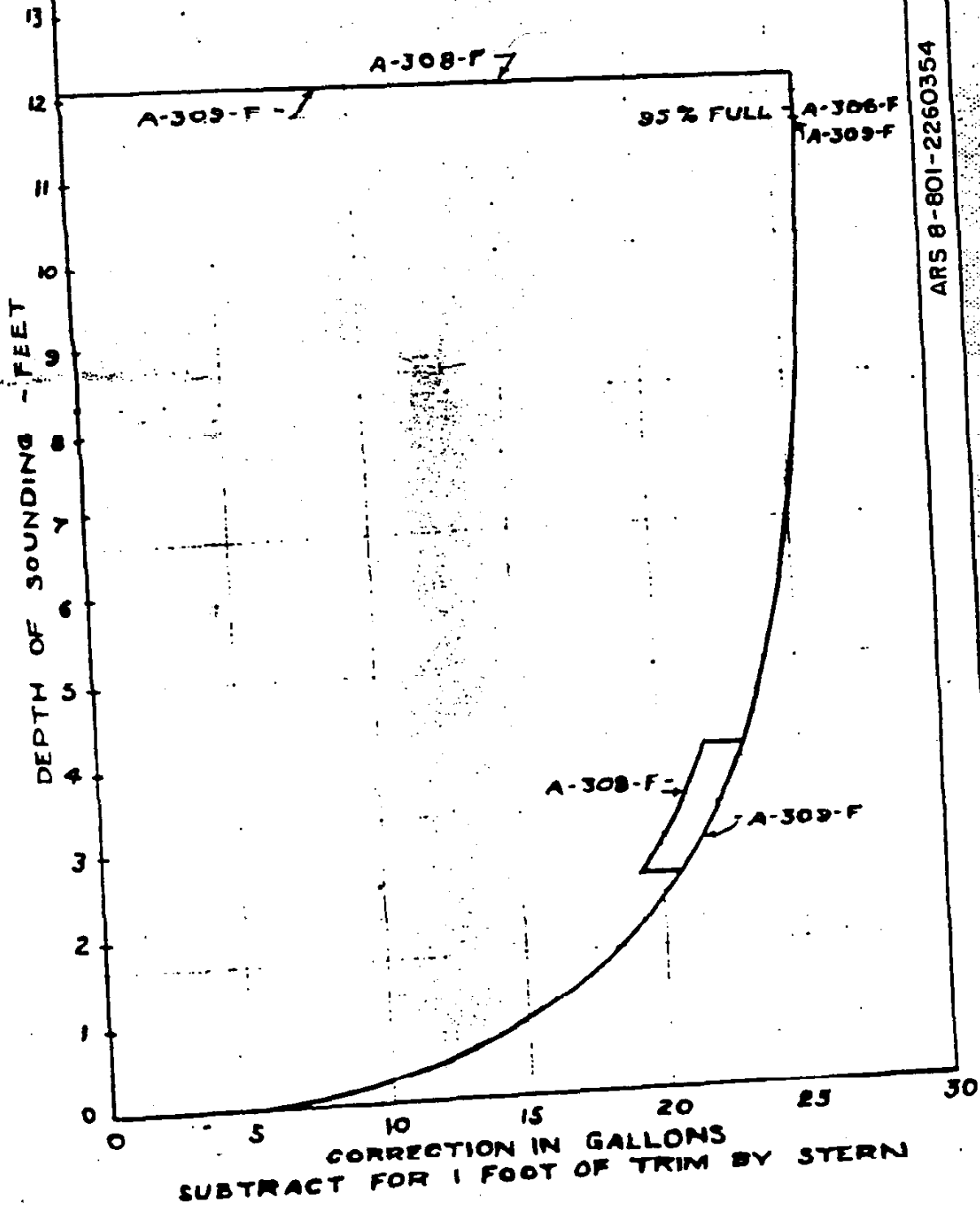
DEPTH OF SOUNDING - FEET



CORRECTION IN GALLONS
TO ADD FOR 1 FOOT OF TRIM BY STERN

A-308-F . A-309-F
FR. 44-40, P. & S.
DIESEL OIL

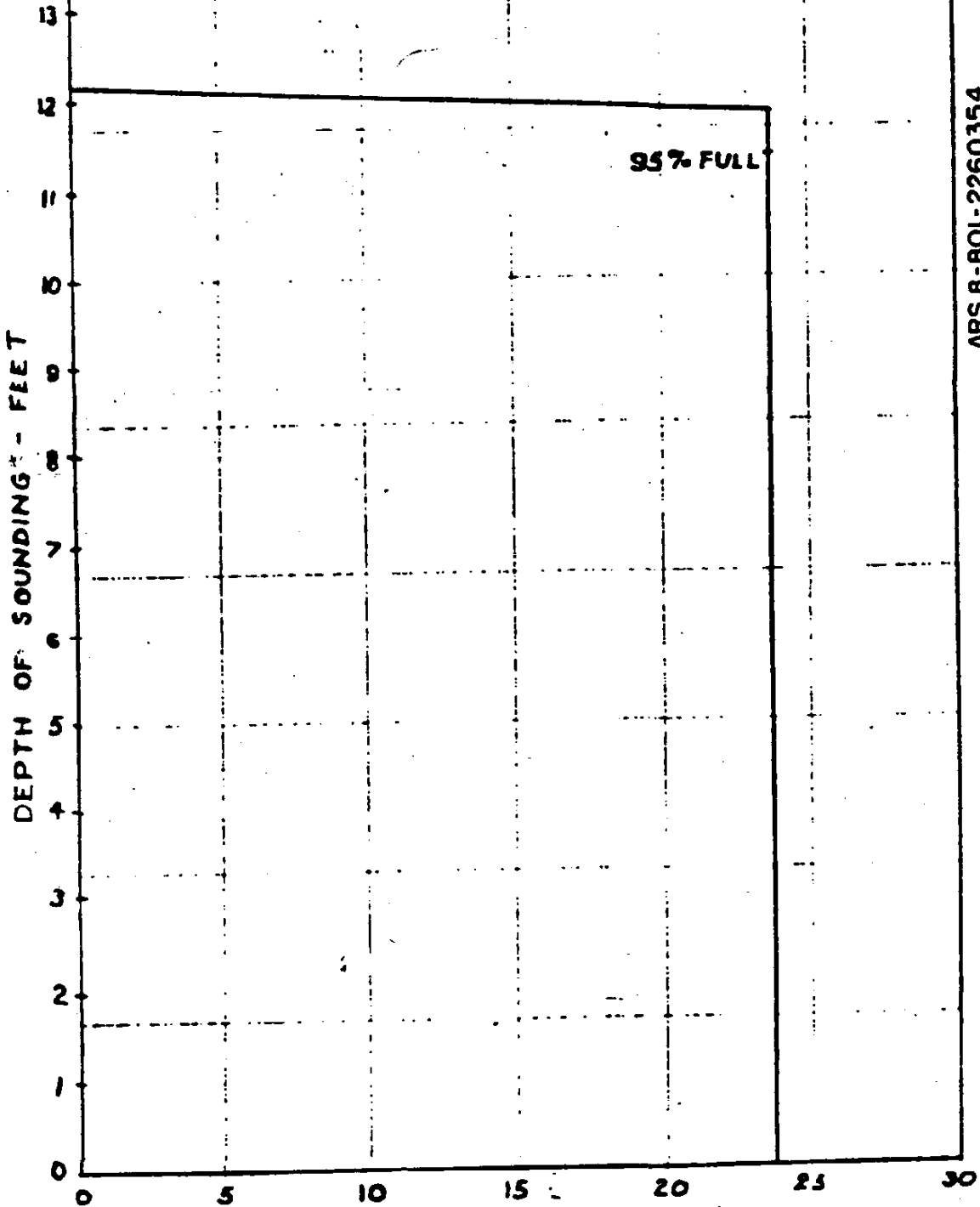
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A-310-F
FR. 44-49, E
DIESEL OIL

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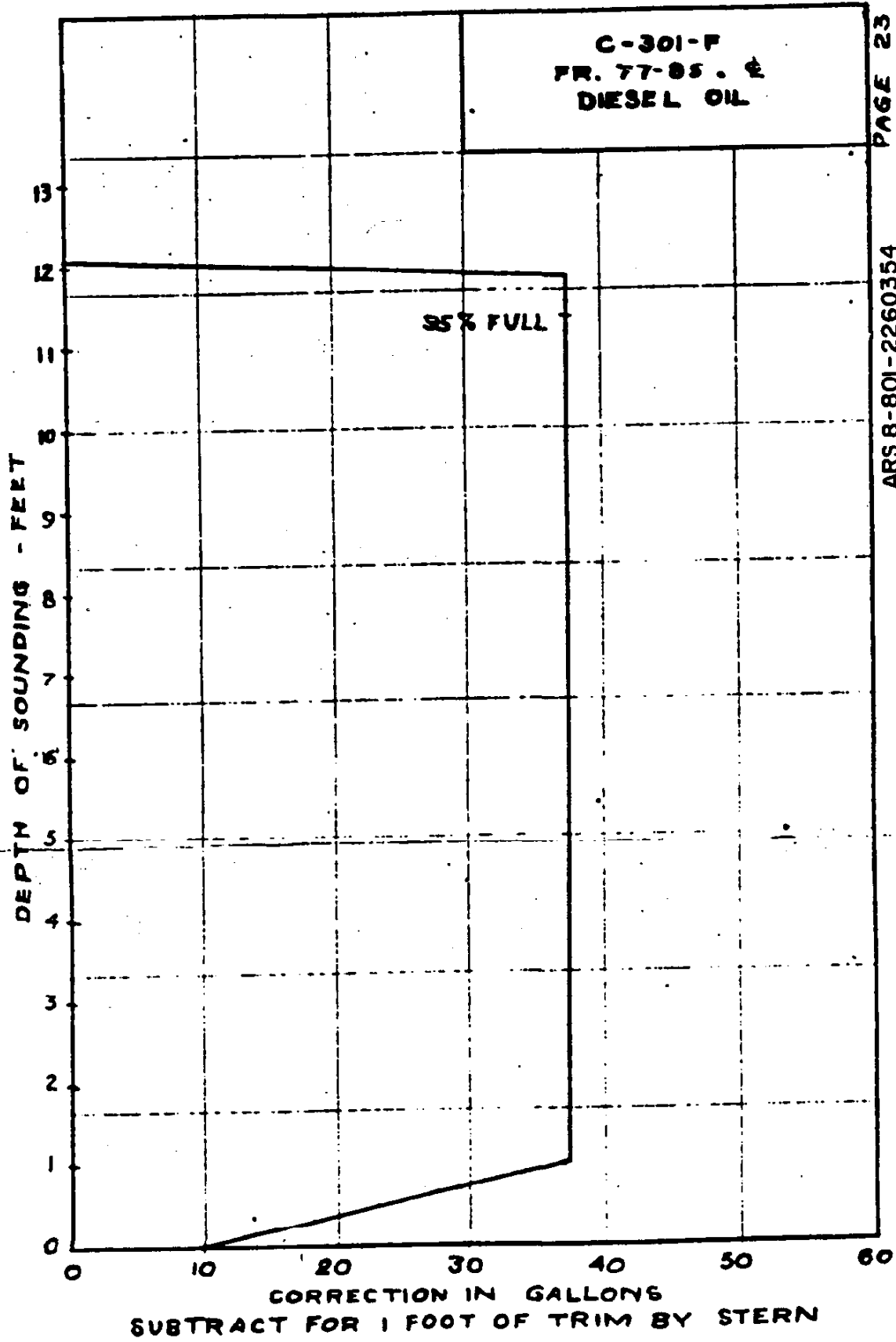
ARS 8-801-2260354

SUBTRACT FOR 1 FOOT OF TRIM BY STERN

C-301-F
FR. 77-85. 2
DIESEL OIL

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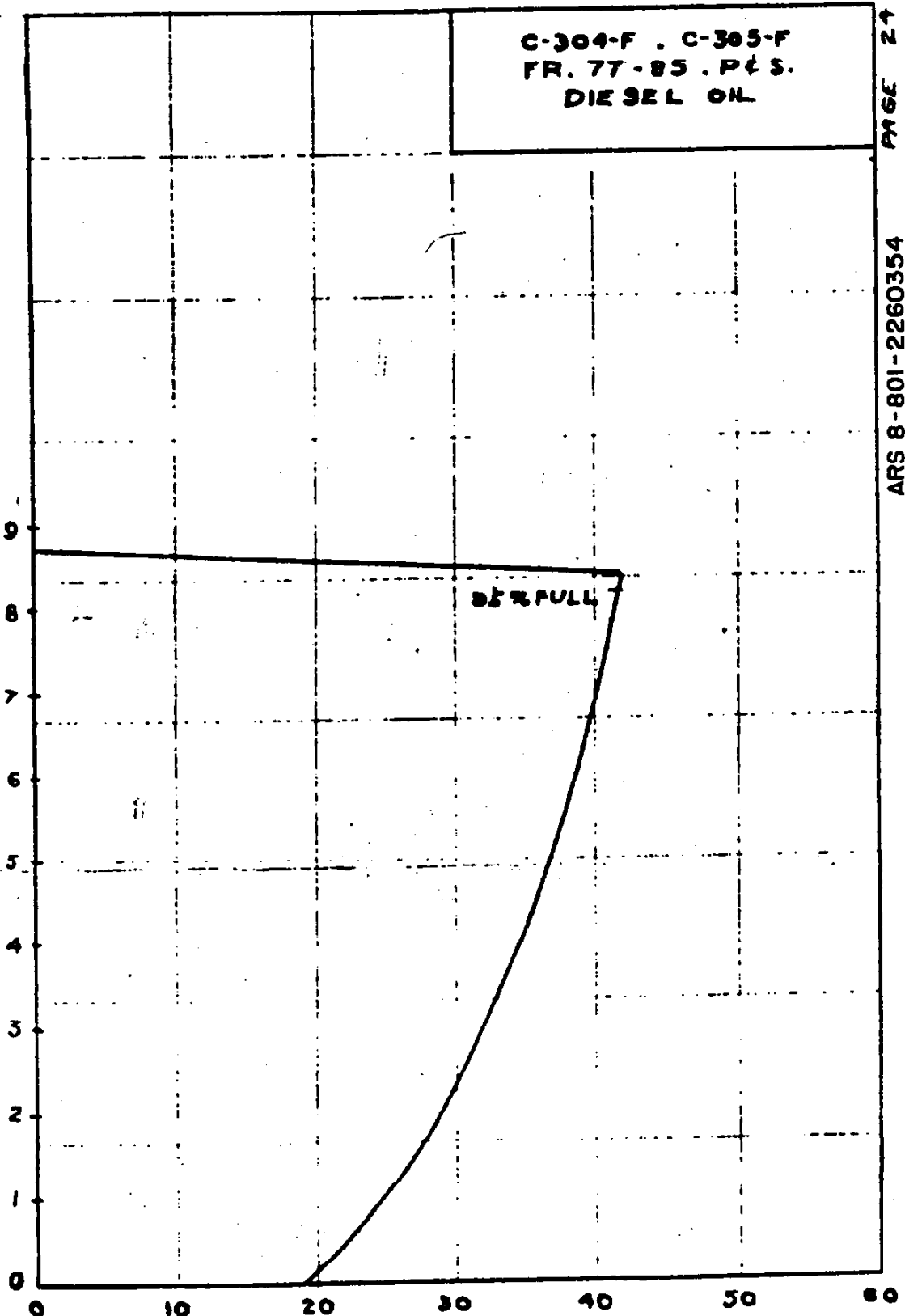


C-304-F . C-305-F
FR. 77-85 . P&S.
DIESEL OIL

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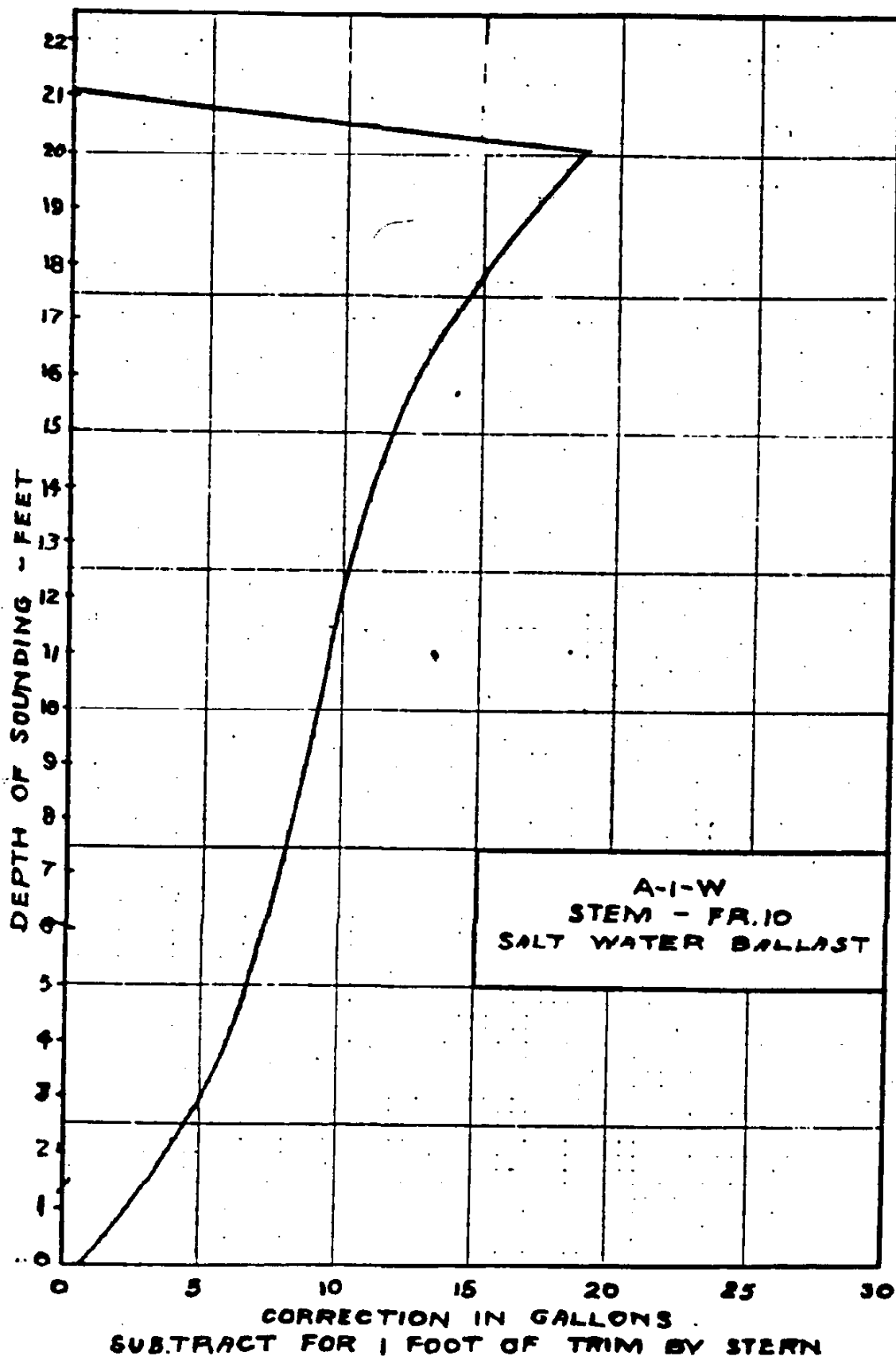
ARS 8-801-2260354

DEPTH OF SOUNDING - FEET



8 1/2 FULL

CORRECTION IN GALLONS
SUBTRACT FOR 1 FOOT OF TRIM BY STERN

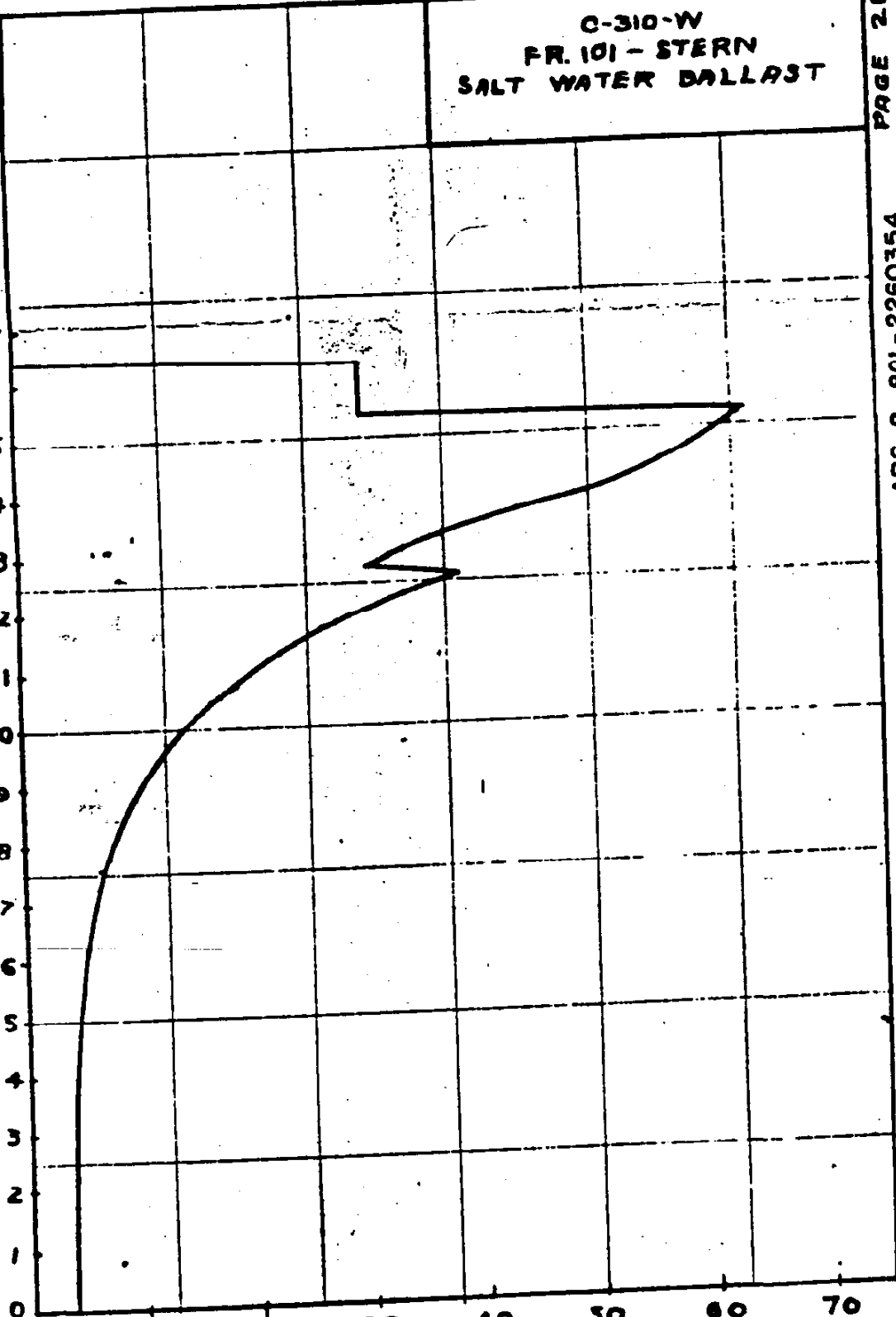


C-310-W
FR. 101 - STERN
SALT WATER BALLAST

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DEPTH OF SOUNDING - FEET



CORRECTION IN GALLONS
TO ADD FOR 1 FOOT OF TRIM BY STERN