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Superseding J884 MAR1991

Liquid Ballast Table for Drive Tires of Agricultural Tractors

1. **Scope**—This SAE Recommended Practice is established for the purpose of providing average weight values for water or calcium chloride liquid filling solutions in SAE recommended drive tire sizes. It is recommended that tires be filled to valve stem level while the valve is located in the highest position (see Tables 1A and 1B).
- 1.1 **Rationale**—This standard is obsolete and/or out of date. We have not been able to populate a committee responsible for updating it, so we are cancelling it.
2. **References**—There are no referenced publications specified herein.
3. **Notes**
- 3.1 **Marginal Indicia**—The change bar (I) located in the left margin is for the convenience of the user in locating areas where technical revisions have been made to the previous issue of the report. An (R) symbol to the left of the document title indicates a complete revision of the report.

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TABLE 1A—LIQUID BALLAST FOR DRIVE TIRES OF AGRICULTURAL MACHINES (SI UNITS)

Tire Size	Water		419.4 g CaCl ₂ /liter H ₂ O		419.4 g CaCl ₂ /liter H ₂ O		599.3 g CaCl ₂ /liter H ₂ O		599.3 g CaCl ₂ /liter H ₂ O	
	Slush Free, 0°C Solid, 0°C liter	Slush Free, 0°C Solid, 0°C wt, kg	Water Slush Free, -24°C Solid, -47°C L	Water Slush Free, -24°C Solid, -47°C L	Water Slush Free, -24°C Solid, -47°C L	Water Slush Free, -24°C Solid, -47°C L	Water Slush Free, -24°C Solid, -47°C L	Water Slush Free, -24°C Solid, -47°C L	Water Slush Free, -24°C Solid, -47°C L	Water Slush Free, -24°C Solid, -47°C L
7.2-16	26	26	23	23	9.5	32	19	11	30	30
8.3-16	34	34	30	30	13	43	30	18	48	48
9.5-16	45	45	38	38	16	54	38	23	61	61
11.2-16	68	68	57	57	24	81	53	32	85	85
12.4-16	79	79	68	68	29	97	64	39	103	103
13.5-16.1	117	117	98	98	41	139	95	57	152	152
18.4-16	185	185	159	159	67	226	148	88	236	236
8.3-24	49	49	42	42	18	60	38	23	61	61
9.5-24	64	64	57	57	24	81	53	32	85	85
11.2-24	91	91	76	76	32	108	72	43	115	115
12.4-24	114	114	98	98	41	139	95	57	152	152
13.6-24	144	144	121	121	51	172	114	68	182	182
14.9-24	178	178	151	151	64	215	144	86	230	230
16.9-24	231	231	197	197	83	280	185	111	296	296
17.5L-24	208	208	178	178	75	253	170	102	272	272
19.5L-24	261	261	227	227	95	322	212	127	339	339
21L-24	329	329	280	280	117	397	265	159	424	424
14.9-26	182	182	155	155	65	220	148	88	236	236
16.9-26	246	246	212	212	89	301	197	118	315	315
18.4-26	299	299	257	257	108	365	242	145	387	387
23.1-26	485	485	413	413	173	586	390	234	624	624
24L-26	484	484	416	416	175	591	394	236	630	630
28L-26	594	594	507	507	213	720	481	288	769	769
11.2-28	102	102	91	91	38	129	83	50	133	133
12.4-28	132	132	114	114	48	162	106	64	170	170
13.6-28	163	163	140	140	59	199	132	79	211	211
14.9-28	201	201	174	174	73	247	163	98	261	261
16.9-28	261	261	223	223	94	317	212	127	339	339
18.4-28	318	318	273	273	114	387	257	154	411	411
21L-28	367	367	314	314	132	446	299	179	478	478
14.9-30	216	216	182	182	76	258	174	104	278	278
16.9-30	276	276	238	238	100	338	223	132	355	355
18.4-30	337	337	291	291	123	414	273	163	436	436
23.1-30	541	541	466	466	196	662	439	263	702	702
24.5-32	643	643	553	553	232	785	522	313	835	835