



Product Description

D-A PresurFlo™ hydraulic fluid is designed for all modern high pressure hydraulic power systems used in construction equipment and stationary industrial installations. These oils are formulated with an optimum level of anti-wear additive for maximum protection against scuffing and wear in hydraulic pumps and motors. Extensive testing has shown these oils exhibit excellent resistance to foaming and oxidation, and have excellent anti-rust properties.

Product Features and Benefits

D-A PresurFlo™ limits wear in low and high pressure vane pumps for longer pump life and reduced operating cost. Provides wear control for steel, brass and bronze pump parts when operating at maximum pressure ratings, resulting in excellent pump protection and more cost efficient operation. Can be used in both mobile and stationary hydraulic equipment, giving service flexibility and minimized inventory. Special rust and corrosion inhibitors limit rusting of ferrous metals and corrosion of yellow metals. Water separation/demulsibility helps protect equipment in wet service environments.

Typical Applications

Supports the performance requirements of:

Axial Piston Pumps
Construction Machinery
Hydraulic Power Systems
Hydraulic Drills
Industrial Gear Drives
Rotary Air Compressors
AIST (U.S. Steel) 126, 127, 126
ASTM D6158 HM

Bosch Rexroth RD 90220
Bosch Variable Volume
Vacuum Pump
Cincinnati Machine
P-68 (ISO 32), P-69 (ISO 68), P-70 (ISO 46)
Commercial Hydraulics
DIN 51524, parts 1, 2, 3
Denison HF-0, HF-1, HF-2
SAE MS 1004

Eaton Brochure 03-401-2010
Eaton-Vickers I-286S, M-2950-S
General Motors LS-2
ISO 11158 HM
JCMAS HK P041
MAG IAS
SAE MS 1004
Sauer Danfoss SEB 181222
US Steel

D-A Lubricant Company, Inc.
801 Edwards Drive
Lebanon, IN 46052

dalube.com

Phone: 800.645-5823
Fax: 765.482.3065
Email: dalube@dalube.com



MFG in USA

Typical Properties

PresurFlo Grade	ASTM	5W-20	10W-30	10*	22*	32	46	46M	68	100	150	220	320	460
ISO Viscosity Grade	D2422	32	68	10	22	32	46	46	68	100	150	220	320	460
SAE Grade	J-300	5W-20	10W-30	n/a	5W	5W	10W	10W	20	30	40	50	60	140
AGMA Grade		n/a	2	n/a	n/a	n/a	1	1	2	3	4	5	6	7
Viscosity														
@ 210°F, SUS	D445	46.3	62.5	35.5	41.8	44.3	47.3	56.1	55.3	65	80.5	92.2	121.3	153.4
@ 100°F, SUS	D445	160	332	62.2	116.8	165.1	237.1	233.9	352.7	521.2	786.3	1167	1700	2458
@ 100°C, cSt	D445	6	10.5	2.7	4.35	5.4	6.9	8.4	8.7	11.4	15	18	24.6	31.4
@ 40°C, cSt	D445	31	65	10	22	32	46	46	68	100	150	220	320	460
Viscosity Index	D2270	145	150	105	105	105	105	160	100	100	100	98	98	98
Flash Point, °F	D92	415	440	360	380	410	430	425	450	470	480	495	500	525
Pour Point, °C	D97	-35	-27	-36	-39	-37	-31	-40	-25	-18	-15	-12	-10	-3
API Gravity @ 60°F	D287	31.5	30.3	38.7	34.2	31.2	31	31.9	30	29.3	28.5	28	27.4	26.5
Oxidation Life, Typical Hours*	D943	4500+	4500+	4000+	4000+	4000+	4000+	4500+	4000+	4000+	4000+	4000+	4000+	4000+
Rust Test	D665	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Copper Corrosion	D130	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a
Foam Test	D892	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
FZG, Pass Stage	D5182	12	12	n/a	n/a	12	12	12	12	12	12	12	12	12

*Special Order only. Minimum shipping quantities and longer delivery time applies.

*The represented ASTM D943 are typical values. There are many operating and environmental factors that can influence the oxidation stability of hydraulic lubricants. Oil sampling and oil analysis are critical when wishing to exceed listed hours.

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D-A Part Number	Bulk	55151	55161	55041	55051	55091	55101	55171	55111	55121	55131	55141	55211	55221
	Drum, 55 Gal	55152	55162	n/a	55052	55092	55102	55172	55112	55122	55132	55142	55212	55222
	Plastic Pail, 5 Gal	55158	55168	n/a	55058	55098	55108	55176	55118	55128	55138	55148	55218	55228
	Metal Pail	55159	n/a	55059	55099	55109	n/a	55119	55129	55139	55149	n/a	n/a	n/a



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