

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

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:

AIST (U.S. Steel) 126, 127
 ASTM D6158 HM
 Axial Piston Pumps
 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

Construction Machinery
 Denison HF-0, HF-1, HF-2
 DIN 51524, parts 1, 2, 3
 Eaton Brochure 03-401-2010
 Eaton-Vickers I-286S, M-2950-S
 General Motor LS-2
 Hydraulic Power Systems
 Hydraulic Drills
 Industrial Gear Drives
 ISO 11158 HM

JCMAS HK P041
 MAG IAS
 Rotary Air Compressors
 SAE MS 1004
 Sauer Danfoss SEB 18122
 US Steel

Typical Properties

Viscosity Grade	Test Method	5W20	10W30	10	22	32	46	46M	68	100	150	220	320
Viscosity @ 100°C, cSt	ASTM D445	6	10.5	2.7	4.4	5.4	6.9	8.4	8.7	11.4	15	18	24.6
	ASTM D445	31	65	10	22	32	46	46	68	100	150	220	320
Viscosity Index	ASTM D2270	145	150	105	105	105	105	160	100	100	100	98	98
Pour Point, °F (°C)	ASTM D97	-31 (-35)	-17 (-27)	-33 (-36)	-38 (-39)	-35 (-37)	-24 (-31)	-40 (-40)	-13 (-25)	0 (-18)	5 (-15)	10 (-12)	14 (-10)
Flash Point, °F (°C)	ASTM D92	415 (213)	440 (227)	360 (182)	379 (193)	410 (210)	450 (232)	425 (218)	450 (232)	469 (243)	480 (249)	495 (257)	500 (260)
API Gravity	ASTM D1298	31.5	30.3	38.7	34.2	31.2	31	31.9	30	29.3	28.5	28	27.4
Dielectric Strength, kV (min)	ASTM D877	35	35	N/A	N/A	40	40	35	40	N/A	N/A	N/A	N/A
Oxidation Life, Typical Hours	ASTM D943	10,000	10,000	4,500	4,500	6,000	6,000	10,000	6,000	6,000	6,000	4,500	4,500

D-A Part Number:

Bulk	55151	55161	55041	55051	55091	55101	55171	55111	55121	55131	55141	55211
Tote – 330 Gal	55153	55163	N/A	55053	55093	55103	55173	55113	N/A	N/A	N/A	N/A
Drum – 55 Gal	55152	55162	55042	55052	55092	55102	55172	55112	55122	55132	55142	55212
Pail (Metal) – 5 Gal	55159	N/A	N/A	N/A	55099	55109	N/A	55119	55129	N/A	55149	N/A
Pail (Plastic) – 5 Gal	55158	55168	N/A	55058	55098	55108	55178	55118	55128	55138	55148	55218
Case – 4/1 Gal	55154	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A