

XL-5100

SYNTHETIC PAG HYDRAULIC FLUID

XL-5100 is a hydraulic oil designed for use in industries where there is a heightened risk of contaminating the environment. It is classified **PW1** (Ultimate biodegradability), and is formulated with polyalkylene glycol (PAG) for all-season applications.

XL-5100 is formulated with additives for anti-wear, anti-rust, antioxidant, anti-foam and demulsibility properties. This fluid is completely water-soluble, will not hydrolyse, and won't form any varnishes or sludge in the presence of water. The longevity of the product provides a greater degree of reliability, less overall downtime, and lower maintenance costs.

Because of the high viscosity index and low pour point, **XL-5100** hydraulic fluids can be used year-round, eliminating the need to change other seasonal fluids. **XL-5100** is fire-resistant, making it an ideal choice for applications where there is a risk of accident or fire such as forestry, maritime, or industrial operations.

XL-5100 is classified by the United States Fish & Wildlife Service as being "Practically Non-Toxic" to fish and other aquatic wildlife.

TYPICAL SPECIFICATIONS			
Product Code: XL-5100	/032	/046	/068
ISO Grade	32	46	68
Viscosity (cSt @ 40°C) (ASTM D-445)	36.90	49.68	74.02
Viscosity (cSt @ 100°C) (ASTM D-445)	7.93	10.32	14.52
Viscosity (cSt @ 0°C) (ASTM D-445)	290.7	417.0	665.7
Viscosity Index (ASTM D-2270)	195	203	206
Flash Point COC (°C)	271	277	288
Flash Point PMCC (°C)	218	224	-
Fire Point (°C)	299	313	327
Copper Strip Test (163°C for 3 hours)	1B, shiny	1A, shiny	1A, shiny
Specific Gravity (g/ml @ 20°C)	1.031	1.035	1.041
Total Acid number (TAN) (mg/KOH/g) (ASTM D-664)	0.43	0.36	0.36
Residue (% weight)	0.011	0.008	0.008
Vapour Pressure (mm Hg)	< 0.01	< 0.01	< 0.01
Foam Test - Sequence 1 (initial volume/ml) (ASTM D-892)	10/0	10/0	10/0
Foam Test - Sequence 2 (initial volume/ml) (ASTM D-892)	10/0	10/0	10/0
Foam Test - Sequence 3 (initial volume/ml) (ASTM D-892)	10/0	10/0	10/0