Premium Hydraulic Fluids

STARFIRE Premium Hydraulic Fluids are a high viscosity index hydraulic oil for use in mobile and industrial equipment operated in a wide range of sub-arctic and temperate climates. This offers superior shear stability and cold temperature performance.

STARFIRE Premium Hydraulic Fluids are a premium anti-wear hydraulic fluid with outstanding low temperature characteristics. They are specially formulated for use in mobile equipment hydraulic circuits where wide temperature ranges are encountered.

STARFIRE Premium Hydraulic Fluids can also be used for traditional in-plant hydraulic applications, and exceed most industry hydraulic fluid specifications, including: Denison HF-2, HF-0 Commercial Shearing, Vickers, Sunstrand, Rexnord, and Cincinnati Milacron.

FEATURES

STARFIRE Premium Hydraulic Fluids contain additive systems which impart characteristics most desired in these types of oils:

- **Excellent thermal stability-** contains the latest thermally stable zinc type additives, virtually eliminating the formation of heat- related sludging in electro-hydraulic servos associated with conventional zinc-type oils.
- **Excellent rust protection**
- **Excellent anti-wear protection to pumps, motors, valves, and other hydraulic circuit components.**
- **Excellent anti-foam protection**
- **Excellent multi-temperature applications**

APPLICATIONS

STARFIRE Premium Hydraulic Fluids may be recommended for applications when a premium quality, anti-wear hydraulic oil is required by equipment manufacturers. The oils meet the rigorous performance requirements including Denison HF-O and HF-2, Cincinnati Milacron P-68, P-69, and P- 70, Vickers M-2950-S and 1-286-S, DIN 51524 (Part II, III), ANSI 9005-E02-RO, ASTM D6158, GM LS-2, and AIST 126,127. Passes Vickers 35VQ25 Pump Test.

TYPICAL PROPERTIES

ISO GRADE	AW 32 Premium	AW 46 Premium	AW 68 Premium
Flash Point °C	177	199	199
Pour Point °C	-37	-36	-31
Viscosity: @ 40°C, cSt	29.71	42.79	70.19
@ 100°C, cSt	5.54	7.56	11.74
Viscosity Index	126	145	163
Density (lb/gal) @ 60F	7.08	7.08	7.07
Specific Gravity	0.849	0.849	0.849
Gravity, API	35.1	35.1	35.2
Oxidation Stability, hrs	>5000	>5000	>5000
Color	L1	L1	L1