



## Anti-Wear Hydraulic Oils

**DESCRIPTION:** Olympic Petroleum’s anti-wear hydraulic oils are manufactured with high quality paraffinic base oils and high-performance additives. They provide excellent protection as required in today’s modern high pressure hydraulic systems, and enables the hydraulic fluid to operate over a broad temperature range, resulting in lower maintenance cost and production down time.

These hydraulic oils provide long term trouble free service in high output hydraulic systems at high temperature and pressure. They have increased discharge flow rate/decreased pump internal leakage flow rate resulting in increased hydraulic system pumping efficiency, and therefore fewer fluid changes and less used fluid disposal. These hydraulic oils may be used in general purpose lubricant application where straight mineral oils and conventional rust and oxidation inhibited oils are recommended.

### QUALITIES:

- Demonstrate extended oil life and pump durability.
- Excellent anti-wear and EP performance.
- Inhibits steel and yellow metal corrosion.
- Good anti-foam and demulsibility characteristics.
- Provide excellent thermal and oxidation stability.
- Excellent filterability property resulting in increased hydraulic system pumping efficiency.

### SPECIFICATIONS: MEETS OR EXCEEDS

U.S. Steel 127, 136
DIN 51524 Part II
Cincinnati Machine P68, P69, P70
Vickers 1-286S, M-2950-S
Denison HF-0, HF-2

<b>TYPICAL PROPERTIES:</b>	<b>TEST METHOD</b>	<b>ISO 32</b>	<b>ISO 46</b>	<b>ISO 68</b>
Oxidation Characteristics (hours)	ASTM D943	5,000	5,000	5,000
Viscosity @ 40°C (cSt)	ASTM D445	30.8	47.2	66.0
Viscosity @ 100°C (cSt)	ASTM D445	5.4	7.2	8.9
Viscosity Index	ASTM D2270	110	112	106
Flash Point °C ( °F )	ASTM D92	230 (446)	232 (449)	249 (480)
Pour Point °C ( °F )	ASTM D5950	-36 (-32)	-36 (-32)	-36 (-32)
Gravity; °API	ASTM D4052	33.0	32.4	31.3
Specific Gravity @ 60°F	ASTM D4052	0.860	0.864	0.869