



PRODUCT DATA SHEET



RAYLENE HYDRAULIC FLUID

Raylene Hydraulic Fluid is a special hydraulic fluid formulated from highly-refined base stocks and an advanced additive system to deliver ultimate equipment protection with extended service intervals. **Raylene Hydraulic Fluid**'s high viscosity index delivers optimum fluid performance over a wide-range of operating temperatures and conditions. Their long-lasting performance and protection is supported by a 6,000 hour rating in the ASTM D943 oxidation stability test. They also exhibit excellent demulsification (water separation) properties, even at high operating temperatures and operating pressures.

Applications

- ◆ Recommended for hydraulic and high-pressure circulating systems requiring:
 - Cincinnati Milacron P-68, P-69, P-70
 - Denison HF-0, HF-1, HF-2, & T6H2OC
 - DIN 51524 Part 2 (HLP)
 - Eaton Vickers 35VQ25A Pump, M-2950-S, & I-286-S

Features and Benefits

- | | |
|--|---|
| ◆ Outstanding Oxidation stability | Optimum service life through 6,000+ hour oxidation stability performance per ASTM D943. |
| ◆ Anti-wear protection | Reduces friction and wear for extended component life. |
| ◆ Superior Rust and Corrosion protection | Special additives provide resistance to rust and corrosion. |
| ◆ Protection to critical components | Provides maximum protection for sensitive servo valves for trouble-free operation. |

General Description

Raylene Hydraulic Fluid is formulated with highly-refined base stocks for ultimate resistance to thermal breakdown and maximum protection and peak performance under heavy-loads.

Raylene Hydraulic Fluid is a high quality, general purpose lubricant for a broad range of applications including hydraulic and circulating systems, pumps, bearings, light to moderate duty enclosed gears and general machinery lubrication.

Product No. 60120, 60140, 60160, 60162, 60166

RAYLENE HYDRAULIC FLUID

TYPICAL PROPERTIES

<u>Product No.</u>	<u>60120</u>	<u>60140</u>	<u>60160</u>	<u>60162</u>	<u>60166</u>
ISO Viscosity Grade	32	46	68	100	150
Viscosity, ASTM D445					
@ 40°C, cSt	30.4	46.8	66.0	92.9	156.3
@ 100°C, cSt	5.30	7.00	8.85	10.75	15.32
Viscosity Index, ASTM D2270	106	106	108	99	99
Pour Point, ASTM D97					
°C	-39	-38	-37	-36	-24
(°F)	(-38)	(-36)	(-35)	(-33)	(-11)
Rust Test, ASTM D665					
Procedure A & B	Pass	Pass	Pass	Pass	Pass
Demulsibility, ASTM D1401					
Oil/water/emulsion, ml/ml/ml	40/40/0	40/40/0	40/40/0	40/40/0	40/40/0
(time, minutes)	(20)	(20)	(20)	(20)	(10)
Oxidation Lifetime, ASTM D943, hrs	>6000	>6000	>6000	≥1,500	≥1,000
Flash Point, ASTM D92					
°C	204	207	232	252	263
(°F)	(399)	(405)	(450)	(485)	(505)
Gravity, API @ °F	31.2	30.4	29.7	29.8	29.1
Specific Gravity, ASTM D1298, 60/60°F	0.870	0.874	0.878	0.877	0.881
Color	Yellow	Yellow	Yellow	Yellow	Yellow