



TIER ONE
LUBRICANTS
PRODUCT DATA SHEET

Tier One Lubricants™ Industrial Hydraulic Oils

Product Description

Tier One Lubricants™ Industrial Hydraulic Oils are formulated for use in industrial hydraulic systems. These products contain a zinc/phosphorus anti-wear (A/W) additive to minimize wear in high-speed, high-pressure vane, gear, and piston pumps. Additionally, these products contain rust and oxidation inhibitors, anti-foaming agents and provide for rapid water separation.

Industry and OEM Specifications

Tier One Lubricants™ Industrial Hydraulic Oils are formulated to meet or exceed the requirements for industrial and mobile hydraulic systems which call for:

*Vickers I-286-S, M-2950-S

*Denison HF-1, HF-2, HF-0

*Cincinnati Milacron P-86, P-69, P-70

*U.S. Steel 136

*General Motors LH-03, LH-04, LH-06

*Vickers 35VQ25

Typical Analysis

	32	46	68	ASTM
Viscosity at 100°C	5.4	6.7	8.6	D445
Viscosity at 40°C	32	45	66	D445
Viscosity Index	100	100	98	D2270
Pour Point, min °C	-36	-33	-30	D97
Flash Point, min °C	190	200	214	D92
Oxidation (hours)	2500	2500	2500	D943
Copper Corrosion	1A	1A	1A	D130
Color	2.0	2.5	3.5	D1500
Rust Procedure A&B	Pass	Pass	Pass	D665
Specific Gravity	.865	.868	.870	

*The values shown here are representative of current production. Some are controlled by manufacturing specifications while others are not. All of them may vary within modest ranges.