



BOSS

LUBRICANTS



BOSS INDUSTRIAL HVI HYDRAULIC OILS

PRODUCT DESCRIPTION AND BENEFITS

- Premium quality anti-wear hydraulic oil
- Blended from paraffinic base oils
- Formulated with oxidation, corrosion, anti-wear and anti-foam inhibitors.
- An effective VI improver has been added to provide an extremely high viscosity index which permits these hydraulic oils to be utilized in hydraulic systems that are subject to wide ambient and system operating temperature ranges.

PERFORMANCE SPECIFICATIONS

TYPICAL TEST PROPERTIES

ISO VISCOSITY	<u>ALP</u>	<u>HVI 15</u>	<u>HVI 22</u>	<u>HVI 36</u>	<u>HVI 46</u>	<u>HVI 68</u>
DENSITY @ 15°C, KG/L	0.8470	0.8573	0.8676	0.8685	0.8690	0.8698
KINEMATIC VISCOSITY						
CST @ 40°C	13	15	22	36	46	68
CST @ 100°C	4.2	4.90	5.05	7.1	8.68	8.9
BROOKFIELD VISCOSITY						
CP @ -30°C			2900	5600		
CP @ -40°C			10,230	23,300		
VISCOSITY INDEX	210	200	159	161	171	130
FLASH POINT, °C	106	150	175	184	218	220
POUR POINT, °C	-60	-54	-50	-46	-42	-33
OXIDATION STABILITY	4000+	4000+	4000+	5000+	5000+	
4000+ HOURS (D943)						
DIELECTRIC STRENGTH	50	49	44	48		
DEMULSIBILITY (D1401)	PASS	PASS	PASS	PASS	PASS	PASS
COLOR	RED PALE	LIGHT PALE	LIGHT PALE	LIGHT PALE	LIGHT PALE	LIGHT PALE

APPLICATIONS

- Industrial, mobile, and marine hydraulic systems (up to 3,000 psi and above with proper equipment).
- Hydraulic control systems for machine tools and presses.
- Mobile construction equipment.
- Cherry pickers.
- Hydraulic elevators, hoists, and lifts.
- Moderately loaded industrial gear sets that do not require an extreme pressure gear lubricant.
- Airline lubricant for air tools and other air-actuated equipment.

APPLICATIONS CONTINUED

- Denison HF -1, HF-2, HF-0.
- Vickers I-286-S, M-2950-S
- Cincinnati Milacron P 68, P 69, P 70
- Racine , Variable volume vane pump
- Rexroth

PROPERTIES

- High viscosity index provides excellent hydraulic response at both high and very low ambient temperatures.
- Oxidation inhibited to prevent oil thickening and provide long service life.
- Foam inhibited to prevent pump cavitation.
- Outstanding wear protection for critical system components.
- Thermal stability minimizes sludge deposits and viscosity increase due to oxidation.
- Excellent rust and corrosion protection.
- Excellent water separating characteristics to minimize emulsions.
- Retains excellent filterability if contaminated by a small amount of water.
- Good foam resistance.
- High dielectric strength meets the requirements for cherry pickers.

NOTE: The dielectric strength will decrease if the oil becomes contaminated with even a small amount of water or dirt.

**CANADIAN OWNED, CANADIAN MADE, FOR CANADIAN CLIMATES.
QUALITY, VALUE, SERVICE AND SUPPORT**

*In order to continue to provide superior quality, BOSS LUBRICANTS reserves the right to change composition of its products without notice. For the location of the Distributor nearest you, please call 1-800-844-9457 or fax (403) 279-2272 #112, 6303 30th Street S.E. Calgary, AB T2C 1R4
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MANUFACTURERS ASSOCIATION

