



**GARGO INTERNATIONAL**  
An ISO 9001:2008 Certified Co.

Manufactures of Adrol Lubricants and Creases  
Steel Grip Conveyor Belts, Transmission Rubber Belts

## **ADROL X-PERT HYDRAULIC OIL HLP**

**AW 68/ AW 46/ AW 32**

### **HEAVY DUTY HYDRAULIC FLUID**

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#### **DESCRIPTION**

**ADROL X-PERT HYDRAULIC OIL HLP** is formulated with Group II+ base stocks and premium anti-wear additives that provide robust protection to high pressure hydraulic system in mobile and stationary equipment. ADROL X-PERT HYDRAULIC OIL HLP has a TOST life of >4500 hours.

#### **APPLICATIONS**

- Industrial hydraulic systems of Plastic molding machines, machine tools.
- Mobile and construction equipment.
- Hydraulic systems with vane, gear or piston pumps.
- Hydraulic equipment reduction gears where EP is not required.
- Plain and antifriction bearing lubrication.
- Industrial circulating systems.

#### **PERFORMANCE STANDARDS**

- Denison Hydraulics HF-0 (ISO 32, 46, 68)
- Vickers M-2952-S, I-286-S [industrial applications]
- M-2950-S [mobile applications] (ISO 32, 46, 68)
- Cincinnati Milacron P-68 (ISO 32), P-69 (ISO 68), P-70 (ISO 46)
- Mannesmann Rexroth requirements (RE 07 075)
- ISO Standard 6743 Part 4, Type HM
- DIN 51524 Part 2, HLP (ISO 32, 46, 68)
- US Steel 126 and 127
- Bosch RE 90220

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536, Punjabi Basti, 3rd Floor, Main Rohtak Road, Near Metro Pillar No. 374, Nangloi, Delhi - 110041

Web.: [www.adrollubricants.com](http://www.adrollubricants.com) Email: [info@adrollubricants.com](mailto:info@adrollubricants.com) Customer Care No.: 8285005500





### BENEFITS

- High protection against wear ensures longer equipment life.
- Excellent hydrolytic stability and water separability.
- Excellent protection against rust and corrosion.
- High oxidation stability provides extended oil service life.
- Good anti-foam and air-release properties ensure smooth operation and system efficiency.

### TYPICAL PROPERTIES

ISO GRADES	32	46	68
Density, @29.5, °C ( kg/liter )	0.851	0.858	0.861
Kinematic Viscosity @ 40°C (mm <sup>2</sup> /s)	32.4	45.3	67.1
Kinematic Viscosity @ 100°C (mm <sup>2</sup> /s)	5.6	6.8	9.1
Viscosity Index	107	106	108
Pour Point (°C)	-12	-12	-12
Flash Point (°C, COC)	200	200	200
Rust Preventing Characteristics (D665)	PASS	PASS	PASS
Oxidation Characteristics (D943)	>4500	>4500	>4500

\*Test results are based on samples.



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