



INDUSTRIAL HYDRAULIC OIL



Work Horse Industrial Hydraulic Oil is formulated using only high quality Group II, severely hydrocracked, high viscosity index, paraffinic base stocks. It is specifically designed to lubricate and protect today's hydraulic systems operating at high pressures and temperatures. It offers excellent water separation properties as well as rust and anti-foam protection. It is a premium anti-wear hydraulic oil for use in both high and low pressure industrial and mobile hydraulic systems.

Work Horse Industrial Hydraulic Oil is recommended for use in a wide variety of applications that require hydraulic systems to operate at high temperature: automated machine tools; farm tractor implements; hydraulic systems on dump trucks; bulldozers, forklifts and motor graders; machine shop hydraulic press, shears and punches; and mobile and stationary equipment.

- Anti-wear protection for a wide variety of hydraulic pumps and components used under severe operating conditions
- Proven field performance
- Outstanding thermal and oxidative stability
- Excellent demulsibility or water separation
- Excellent rust protection
- Lower filter blockage tendency
- Good low temperature properties
- Excellent foam control
- Excellent for use in paper machines

Always consult and follow manufacturer's guide for proper ISO grade.

Work Horse™ is a new breed of lubricants designed to stand up to brutal workloads and a wide range of challenging conditions. Born from a 90-year legacy of proven performance and premium products, Work Horse lubricants are formulated using the latest technology and advanced additives to deliver superior results and the protection you demand. Extensive testing in both on-road and off-road environments ensures all Work Horse products meet and exceed major manufacturers' service requirements. Your hard-working equipment needs hard-working oil.



INDUSTRIAL HYDRAULIC OIL

Typical Characteristics

PRODUCT	AW22	AW32	AW46	AW68	AW100
Gravity, °API	33.75	32.54	31.71	30.88	30.31
Specific Gravity @ 60°F (15.6°C)	0.8563	0.8626	0.867	0.8714	0.8745
Viscosity @ 40°C cSt	22.29	31.71	45.22	67.36	100.8
Viscosity @ 100°C cSt	4.476	5.444	6.83	8.857	11.49
Viscosity Index	113	107	106	105	101
Pour Point °C (°F)	-42°C (-44°F)	-39°C (-38°F)	-33°C (-27°F)	-30°C (-22°F)	-30°C (-22°F)
Oxidation Hours	5000	5000	5000	5000	5000
Color	1	1	0.5	0.5	1
Zinc, wt. %	0.043	0.043	0.043	0.043	0.043
Phosphorus, wt. %	0.034	0.034	0.034	0.034	0.034
Sulfur, wt. %	0.071	0.071	0.071	0.071	0.071



Performance Level

ASTM D1658

BOSCH REXROTH

CINCINNATI/MAG IAS P-68, P-69,
P-70

EATON E-FDGN-TB002-E, 35VQ25A

PARKER DENISON HF-0 , HF-1, HF-2

DIN 51524-2

GENERAL MOTORS LS-2

JCMAS HK

RACINE

VICKERS/EATON 1-286-S, M-2950-S

COMMERCIAL HYDRAULICS (1)
1: EXCEPT FOR PM-500 SERIES
SILVER CONTAINING PUMPS WHICH
REQUIRE R&O ADDITIVE SYSTEMS.

Available In:

2.5 Gal, 5 Gal, 30 Gal*, 55 Gal
Drum, 330 Gal Tote, Bulk

* Available by special request