

U1P-Duty – Conventional Hydraulic Oil

AW ISO 46 - 5.000 hrs.

Heavy-Duty | Off-Highway | United States

Product Description

It is an extremely effective pressure transmitter minimum friction anti wear hydraulic oil, formulated with high viscosity-index paraffinic virgin base stocks and Ultra-premium performance additives. **U1P-DUTY AW ISO 46 Hydraulic Oil** exhibits outstanding pump-seal-ability, anti-wear and corrosion protection, oxidation, and shear stability for 5.000 hrs. of Heavy-Duty operation, even in the most extreme cold or hot temperatures. The comprehensive Ultra-premium additive package also offers complete seals compatibility, leak prevention promoters and anti-foaming agents to ensure maximum pressure building, with detergency agents to avoid varnish and improve filterability. Suitable for a wide range of heavy duty and light duty hydraulic applications.

U1P-DUTY AW ISO 46 Hydraulic Oil ensures minimum hydraulic pump and pistons wear, extending the operating life of your equipment.

Features and Benefits

- U1P-DUTY AW ISO 46 Hydraulic Oil formulation for 5,000 hours of operation. Reliable for light and heavy-duty equipment.
- Suitable for high performance industrial applications where pressures may exceed 5000 psi. Maintains stable viscosity while operating in wide a range of temperatures,
- Provide smooth operation and longest oil service life. Its oxidation resistance reduces the formation of deposits, keeping the oil cleaner to
- The premium quality base stock molecules combined with a high-performance anti-wear additive helps to keep a continuously strong lubricant film to protect the pump, piston, and cylinder surfaces.
- Excellent detergent and anti-oxidation additives prevent rust particles formation, deposits, varnishes, and sludges, protect equipment surfaces, seals, and keep the oil filters from blocking prematurely, reducing the probability of unscheduled hydraulic fluid changes.
- Excellent humidity repellent-water-separating anti-foam and air release properties help ensure smooth operation and pressure system efficiency.



Product Code

Presentation	SKU	Manufacture ID	UPC
UG Gallon	UC46AWG	UL802	810050654913
5 Gallon Pail	UC46AWP	UL802	810050654906
55 Gallon Drum	UC46AWD	UL802	810050654890
265 Gallon Tote	UC46AWT	UL802	810050654883

This product meets or exceeds the requirements of:

Parker (formerly Denison) HF-0, HF-1, HF-2

MAG IAS P-70 (ISO 46)

GM LS-2

JCMAS HK

U.S. Steel 127

U.S. Steel 136

Bosch Rexroth RD90220

SAE MS1004

Technical information*

Parameter	Test	AW 46
Appearance	-	Yellow, Transparent, Liquid
Viscosity @ 40°C, cSt	ASTM D445	46.0
Viscosity @ 100°C, cSt	ASTM D445	6.92
Viscosity index	ASTM D2270	105
Pour point, °C (°F)	ASTM D97	-30 (-22)
Flash point, °C (°F)	ASTM D92	205 (401)

*Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice.

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