

U1P-Duty Conventional AW Hydraulic Oil

ISO 32, 7.000 hrs.

Industrial | 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 ISO 32 AW Hydraulic Oil 7.000 exhibits outstanding pump-seal-ability, anti-wear and corrosion protection, oxidation, and shear stability for 7.000 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 ISO 32 AW Hydraulic Oil 7.000 ensures minimum hydraulic pump and pistons wear, extending the operating life of your equipment.

Features and Benefits

- AW 32 ISO conforming formulation for 7,000 hours of operation reliability 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,
- 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.
- Complete compatibility with pump and cylinder seals for constant hydraulic pressure, lower maintenance, and operation continuity.



Scuffing Wear*



Commercial AWHO



Ultra1Plus™ Technology

Wear Durability*

Commercial AW Hydraulic Oil



Failed

Ultra1Plus™ Technology



Passed test (3x test length)

TIME

*FZG Gear Test Machine [A/8.3/90]

Product Code

Presentation	SKU	Manufacture ID	UPC
5 Gallon Pail	UC32AWP	UL801	810050654845
55 Gallon Drum	UC32AWD	UL801	810050654838
265 Gallon Tote	UC32AWT	UL801	810050654821

This product meets or exceeds the requirements of:

Parker (formerly Denison) HF-0, HF-1, HF-2 (HM, HV)	Bosch Rexroth RE 90220
Eaton M-2950-S and I-286-S3	JCMAS P041 HK Hydraulic specification
MAG P68, P69, P70 (HM, HV)	ANSI/AGMA 9005-E02-RO
DIN 51524-2 (HM); DIN 51524-3 (HV)	GM LS-2
ISO 11158 (HM, HV)	AIST 126, 127
ASTM D6158 (HM, HV)	SEB 181222
SAE MS 1004 (HM, HV)	U.S. Steel 127, 136

Properties and Specifications*

Parameter	Test	Result
Appearance		Amber, liquid
API Gravity	ASTM D287	33.3
Density at 15°C, kg/L	ASTM D4057	0.8585
Viscosity @ 40°C, cSt,	ASTM D445	32
Viscosity @ 100°C, cSt,	ASTM D445	5.5
Viscosity, Saybolt SUS at 100°F	ASTM D2161	157
Viscosity, Saybolt SUS at 212°F	ASTM D2161	44
Viscosity index	ASTM D2270	110
Pour point, °C(°F)	ASTM D97	-38(-36)
Flash point, °C(°F)	ASTM D92	220(428)
Copper Corrosion 3h at 100°C	ASTM D130	1b
Foam Test, Seq. I Tendency, mL	ASTM D892	10
Water Separability, minutes to <3mL at 54°C	ASTM D1401	15
Oxidation Stability, TOST Hours to 2.0 mg KOH/g TAN	ASTM D943	>5000

*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.

Revised: 03/06/2023