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Product Information

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UNIVERSAL GEAR OIL EP

Product Description

Universal Gear EP Oils are high quality extreme pressure type industrial gear lubricants developed to meet the demanding requirements of U.S. Steel 224 and the latest AGMA 9005 specification. (Note: AGMA 9005 replaces AGMA 250.04 and 251.01).

These versatile lubricants utilize the latest technology in sulfur-phosphorus additives, to give optimized performance and cost effectiveness.

Applications

Universal Gear EP Oils are recommended for use in all types of enclosed industrial gear drives, including worm gears; where an extreme pressure gear lubricant is required. They are the preferred lubricants for gear reducers which are subject to severe duty, such as shock loading or high localized pressures.

These gear oils have also been successfully utilized as Rock Drill Oils, Way Oils, and Mist Lubricants.

Benefits

- High film strength
- Excellent load carrying
- Outstanding oxidation stability
- Enhanced thermal stability for clean gears
- Superior water-separation
- Excellent rust and corrosion protection
- Extremely good wear protection
- Enhanced frictional properties
- Excellent anti-foam characteristics
- Good air release properties
- Wide variety of industrial applications

Refer to Universal Oil's Material Safety Data Sheet (MSDS) 16-20-01 for additional information.

UNIVERSAL GEAR OIL EP

Specifications

Typical Property	ASTM Test Method	Typical Results						
		68	100	150	220	320	460	680
ISO Grade								
AGMA No.		2 EP	3 EP	4 EP	5 EP	6 EP	7 EP	8 EP
Gravity, API	D 287	29.6	29.6	29.2	28.4	26.6	25.4	23.5
Viscosity								
cSt @ 40°C	D445	65	102	149	202	328	432	68.0
cSt @ 100°C	D445	8.3	11.4	14.5	18.1	23.1	29.3	37.0
Viscosity Index	D 2270	97	98	98	98	92	92	90
Flash, COC: °F	D 92°	440°	440°	510°	470°	470°	475°	475
Pour Point: °F	D 97	-5°	+5°	+5°	+5°	+5°	+5°	+10°
Timken Test								
OK Lever Load: lb	D 2782	60	60	60	60	60	60	60
FZG Test								
DIN 51 354								
Final Stage Passed		12	12	12	12	12	12	12
Rust Preventive Test, 24 hr.								
Procedure A	D 665	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Procedure B	D 665	Pass	Pass	Pass	Pass	Pass	Pass	Pass

UO Item Number	16-20-01	16-20-02	16-20-03	16-20-04	16-20-05	16-20-06	16-20-09
MSDS Number	16-20-01	16-20-01	16-20-01	16-20-01	16-20-01	16-20-01	16-20-01

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