



PRODUCT DATA SHEET

Full Synthetic Industrial Gear Oils

CIM ULTRA IGO 320 PAO

Description

CIM Ultra IGO 320 PAO is blended from full Synthetic mPAO (metallocene polyalphaolefin) base oils which have been fortified with anti-wear, antioxidant, anti-foam, anti-corrosion, and extreme pressure additives. CIM Ultra Synthetic Industrial gear oils will reduce wear, reduce friction, act as a coolant, prevent corrosion, and reduce noise, vibration, and shock between gear teeth. CIM Ultra IGO 320 POA is an ultra-tough, Long Life IGO. Gears run smoother, quieter, cooler and longer without overhauls. Employing a dense, high molecular weight, synthetic cushioning additives prevents fatigue failure in gears subjected to sudden shock loads.

Applications

CIM Ultra Industrial Gear oils are suitable for use in the following applications:

- Spur gear cases
- Industrial hypoid gear cases
- Bevel gear cases
- Helical gear cases
- Industrial type reduction gearboxes
- Industrial type acceleration gearboxes
- Worm drive gearboxes

Specifications

AGMA 9005- F16	DIN 51 517 part 3	David Brown, S1.53.101 Table E
USS Steel 224	ISO 12925-1 CKC/CKD , ISO L-CTPR	GMLS 2 EP Gear Oil
Cincinnati Machine GearP-63 (ISO 68), P-76 (ISO 100), P-77 (ISO 150), P-74 (ISO 220), P-59 (ISO 320), P-35 (ISO 460), P-78 (ISO 1000)		
SEW-Euro drive	Flender	
GE OHV D50E35A/B/C/D/E	General Electric's (GE) gear oil specification D50E35	

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Technical Data: CIM ULTRA IGO 230 PAO

AGMA Grade	AGMA 9005-F16
David Brown Grade	S1.53.101
Viscosity Index (cSt)	185
Kinematic Viscosity (cSt) @ 40°C (cSt) @ 100°C	320 mm ² /s - 40.6 mm ² /s
Pour Point (COC)	-42°C
Flash Point (COC)	228°C
Fire Point (COC)	294
Rust Characteristics, Procedure B, ASTM D665	Pass
Density at 15°C	0.86 g/ml
FZG, Load Stage	14
Four-Ball Extreme Pressure Test, Weld Load, kgf, ASTM D2783	200
Four-Ball Extreme Pressure Test, Load Wear Index, kgf, ASTM D2783	48
Colour ASTM	7
Total Acid Number, mgKOH/g, ASTM D664	0.9

CIM ULTRA IGO 320 PAO

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