

DESCRIPTION

Gulf Western Industrial Gear Oils are high-performance industrial gear lubricants formulated to provide reliable lubrication and protection under demanding operating conditions. The oils are designed to deliver high extreme-pressure (EP) performance and load-carrying capacity, providing effective protection of gear teeth and other heavily loaded components against wear, scuffing, and surface damage.

The formulation incorporates advanced sulfur-phosphorus additive technology to provide enhanced anti-wear and EP protection. The additive system also contributes to reduced friction between interacting gear surfaces, helping to minimise mechanical losses and heat generation. This supports cooler gear operation, improved transmission efficiency, and enhanced component reliability.

Gulf Western Industrial Gear Oils provide excellent resistance to oxidation and thermal degradation, helping maintain lubricant performance during extended operating periods and at elevated operating temperatures. The oils also incorporate corrosion-inhibiting and rust-preventive properties to protect ferrous and other metallic components from moisture-related deterioration.

Additional formulation characteristics include good demulsibility, enabling rapid separation of water from the lubricant, and effective anti-foam performance to minimise excessive foam formation during high-speed or heavily agitated operating conditions. These properties contribute to consistent lubrication, improved oil film integrity, and reliable equipment operation.

SUMMARY OF BENEFITS

- High extreme-pressure (EP) and load-carrying performance
- Advanced sulfur-phosphorus additive technology
- Enhanced protection against gear and component wear
- Effective scuffing and surface-load protection
- Reduced friction and mechanical power losses
- Excellent oxidation and thermal stability
- Effective rust and corrosion protection
- Good water-separation characteristics (demulsibility)
- Controlled foam formation and rapid foam release
- Supports cooler and more efficient gear operation
- Designed for reliable lubrication under heavy-load industrial service
- Meets or exceeds applicable CLP performance requirements under DIN 51517 Part 3
- Suitable formulations available for ISO 12925-1 CKC/CKD applications

SPECIFICATIONS

- AGMA 9005-E02
- DIN 51 517 PART 3
- DAVID BROWN, S1.53.101 TABLE E
- USS STEEL 224
- ISO 12925-1 CKC/CKD
- GMLS 2 EP GEAR OIL
- CINCINNATI MACHINE GEAR

STORAGE INSTRUCTIONS & HEALTH, SAFETY AND ENVIRONMENT INFORMATION

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C. Health, safety and environmental information is provided for this product in the relevant Materials Safety Data Sheet, which can be obtained by

SUITABLE FOR



IISO VG Grade	TEST METHOD	68	100	150
Density @ 15°C, kg/l	ASTM D4052	0.878	0.886	0.89
Colour ASTM	ASTM D1500	<1.5	2	<2.5
Viscosity, cSt @ 40°C @ 100°C	ASTM D445	67.8 8.72	96.8 11	146 14.5
VViscosity Index	ASTM D2270	100	98	97
Flash Point COC, °C	ASTM D97	220	228	230
Pour Point, °C	ASTM D97	-24	-21	-18
FZG Gear Test A8.3/90 (visual), Damage load stage	DIN 51354 Part 2	12	12	12
Rust Prevention	ASTM D665A	PASS	PASS	PASS
Copper Corrosion	ASTM D130	1B	1B	1B

IISO VG Grade	TEST METHOD	220	320	460
Density @ 15°C, kg/l	ASTM D4052	0.891	0.896	0.902
Colour ASTM	ASTM D1500	2.5	3	<3.5
Viscosity, cSt @ 40°C @ 100°C	ASTM D445	222.3 19.2	316.7 23.9	446.4 30.1
VViscosity Index	ASTM D2270	97	96	96
Flash Point COC, °C	ASTM D92	234	242	250
Pour Point, °C	ASTM D97	-18	-15	-12
FZG Gear Test A8.3/90 (visual), Damage load stage	DIN 51354 Part 2	12	12	12
Rust Prevention	ASTM D665A	PASS	PASS	PASS
Copper Corrosion	ASTM D130	1B	1B	1B

Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute any legal liability.