TECHNICAL DATA SHEET

CIIFROL GEAR OIL GL-4 / GL-5 SERIES

High Performance Automotive Gear Oils

DESCRIPTION

CIIFROL Gear oils GL4 and GL5 SAE 90 / 140 / 75W 90 / 80W 90 oils are multipurpose, extreme pressure, API GL-4, API GL-5 automotive gear lubricants specifically designed for use in automotive gears and transmission. The carefully balanced formulation is designed to minimize oxidative sludge and varnish formation, reduce wear, prevent scoring damage and protect against metal fatigue and spalling damage under shock-load conditions.

SPECIFICATIONS & PERFORMANCE STANDARDS

SPECIFICATIONS	MEETS STANDARDS
API GL-4	✓
API GL-5	✓
Mil-L-2105	✓
IS 1118: 1992	✓

KEY PERFORMANCE FEATURES AND BENEFITS

- Excellent oxidation resistance and thermal stability to minimize sludge and varnish formation.
- Satisfies the lubrication requirements of a wide variety of gears.
- Provides protection against wear, due to good EP characteristics.
- Gives long service life even under high temperature operation.
- Provides good protection against corrosion.
- Excellent thermal durability and extreme-pressure properties for extended gear life.
- High load-carrying capacity for protection against scuffing and wear.
- Good foam resistance.

APPLICATIONS

- Hypoid Gears / Differentials fitted on Automotive Vehicles.

Recommended for passenger cars, buses and highway trucks hypoid, spiral bevel and worm gear axles and also manual transmission for which an extreme pressure gear lubricant of this type is required. CIIFROL Gear Oil GL 4 SAE 80W90 is specially designed for power transmission units of vehicles operating at low temperatures.

TYPICAL VALUES

Physical Characteristics (Control Limits)	GEAR OIL GL4 SAE 90	GEAR OIL GL4 SAE 80W90	GEAR OIL GL5 SAE 75W 90	GEAR OIL GL5 SAE 85W 140	GEAR OIL GL4 SAE 140
Appearance	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright
Sp. Density at 29.5°C	To Report	To Report	To Report	To Report	To Report
Colour	Natural	Natural	Natural	Natural	Natural
K. Viscosity @ 40°C	To report	To report	To report	To report	To report
K. Viscosity @ 100°C	17-18	17-18	12.5-14.5	28-32	28-32
Viscosity Index	100 Min	100 Min	105 Min	100 Min	100 Min
Flash Point COC	218 min	218 min	218 min	230 min	230 min
Pour Point	-6 max	-6 max	-9 max	-6 max	-6 max

The information provided in this Technical Data Sheet is based on our best knowledge and experience and is intended as a general guide. The technical data represents typical values and may vary depending on product batches, operating conditions and application methods.
Users are advised to refer to the latest Technical Data Sheet and Safety Data Sheet (SDS) for applicable product information.
Users are advised to evaluate the product for suitability for their specific application and to follow recommended handling, storage and safety practices. CIIFROL accepts no responsibility for any loss, damage or injury resulting from improper, unintended or abnormal use of the product or conditions beyond its reasonable control.
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