



## FRANKOL API GL-5

### SEMI SYNTHETIC

#### PRODUCT DESCRIPTION:

Frankol GL-5 is superior sulfur-phosphorus, extreme pressure gear lubricant formulated with premium quality base stocks, friction modifiers and corrosion inhibitors, meeting the requirements of API GL-5 as well as many other manufacturer specifications. These oils are formulated to produce a superior gear lubricant with extreme pressure characteristics and thermal stability for automotive applications over a wide range of temperatures and heavy-duty conditions.

#### APPLICATION:

Frankol GL-5 oils are mainly recommended for use in spiral bevel and hypoid differentials, power dividers and transmissions requiring EP gear lubes under high speed, high load, high torque and high horse power conditions. Meets or exceeds the quality requirements of numerous vehicle manufacturers such as IVECO, MAN, SCANIA and VOLVO for heavy vehicles rear axles and final drive units.

#### FEATURES & BENEFITS:

- Extreme pressure properties protect hypoid and other types of gears from scuffing and wear.
- Superior thermal and oxidative stability.
- High safety margin against foaming and corrosion.
- Protects against oil seal deterioration.

#### PERFORMANCE LEVELS: Meets and Exceeds:

- API GL-5 (75W-85, 75W-90)
- MIL MIL-L-2105D
- ZF TE-ML 18 (75W-85)
- MB 239.72/239.71/235.74/235.7 (75W-85)
- Vw TL -45 521X (G 145 052 A1) 45 521X (G145 052 A2) TL 90 521 (G190 052 A2/G 190 055 A2)

#### TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	FRANKOL GL-5		
SAE Grade			75W-85	75W-90	75W-140
Kinematic Viscosity @ 104°F /40°C	ASTM D-7042	cSt	50.0	106	192
Kinematic Viscosity @ 212°F /100°C	ASTM D-7042	cSt	8.7	17.0	27.8
Viscosity Index (min)	ASTM D-2270	-	153	175	183
SP.Gravity @15°C/ 60°F	ASTM D-4052	g/cm <sup>3</sup>	0.872	0.870	0.870
Flash Point (min)	ASTM D-92	°C	210	210	210
Pour Point (max)	ASTM D-97	°C	-39	-39	-39
Brookfield Viscosity @ -40 °C	ASTM D-5293	mPa.s	<150,000	<150,000	<150,000

#### HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil into drains or the environment. Dispose to an authorized used oil collection point. For further Information on safety guidelines please refer to MSDS available on our website frankol.com