

### DESCRIPTION

**Petrogulf SHIFTPRO GL-5** is a series of automotive gear lubricants formulated from highly refined base oils and carefully selected additives based on extreme pressure sulfur- phosphorous chemistry that provide protection against rust, corrosion and wear over a wide range of temperature and service conditions.

### APPLICATIONS

**Petrogulf SHIFTPRO GL-5** is recommended for manual transmissions, differentials, hypoid gear axles and final drives fitted in passenger cars, on/off-road and commercial vehicles, operating under high speed/shock loads, high speed/low torque and low-speed/high torque conditions, where API GL-5 specification is required. It is not recommended for manual transmissions that use synchronizers made of yellow metals that require API GL-4 specifications

### KEY FEATURES & BENEFITS

- Excellent protection against wearing and scoring produced by high speed and heavy loads
- Multi-viscosity grades provide good lubrication even at low temperatures
- Provides good protection against corrosion and wear
- Good thermal stability and resistance to high temperature oxidation
- Excellent load carrying capacity and good antifoam properties
- Maximizes equipment service life
- Suitable for a wide variety of applications and service conditions
- Compatible with seals and gaskets

### THIS PRODUCT SERIES MEETS THE FOLLOWING PERFORMANCE LEVEL:

- API GL-5

### TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES			
SAE Grade	90	140	80W-90	85W-90
Kinematic Viscosity @40°C, mm <sup>2</sup> /s	196.2	440.9	139.6	199.6
Kinematic Viscosity @100°C, mm <sup>2</sup> /s	17.8	29.66	14.30	17.70
Viscosity Index	98	96	100	96
Density @ 15°C Kg/L	0.889	0.906	0.872	0.889
Pour Point °C	-15	-12	-33	-15
Flash Point ,(COC), °C	226	230	214	230
Foaming - Seq - I, II, III(ml/ml)	0/0, 10/0, 0/0	0/0, 10/0, 0/0	0/0, 10/0, 0/0	0/0, 10/0, 0/0
Brookfield Viscosity, cP	-	-	@-26°C 120,000	@-12°C 75,000

\*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.

SAE GRADE  
85W-140 - 80W-140  
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### TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES			
SAE Grade	85W-140	75W-90	75W-140	80W-140
Kinematic Viscosity @40°C, mm <sup>2</sup> /s	439.5	100.1	234.9	234.5
Kinematic Viscosity @100°C, mm <sup>2</sup> /s	29.60	15.4	27.2	27.1
Viscosity Index	96	163	150	150
Density @ 15°C Kg/L	0.909	0.858	0.859	0.859
Flash Point ,(COC), °C	-15	-51	-48	-48
Foaming - Seq - I, II, III (ml/ml)	234	216	230	232
Foaming - Seq - I, II, III	0/0, 10/0, 0/0	0/0, 10/0, 0/0	0/0, 10/0, 0/0	0/0, 10/0, 0/0
Brookfield Viscosity, cP	@-12°C 90,000	@-40<50000	@-40<50000	@-26<120,0000

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SAE GRADE	90	140	80W-90	85W-90	85W-140
PRODUCT CODE	30400040005	30400040006	30400040029	30400040031	30400040030
	75W-90	75W-140	80W-140		
	30400040027	30400040026	30400040028		

◀ SAE GRADE  
90 - 85W-90  
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### Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.