



## PRODUCT DATA SHEET AUTOMOTIVE DIVISION Passenger Car Motor Oil

# Full HD Heavy Duty API SL Motor Oil SAE 40, SAE 50 and SAE 60

### DESCRIPTION

Full HD Heavy Duty API SL Monograde Motor Oil is a product of the most advanced technology in lubrication for gasoline engines.

This line of lubricants are made with selected raw materials combined in perfect balance which includes highly refined base oils and a package of high performance additives to protect critical elements of today's engines.

Our dedication to excellence in quality gives us the right to use the label of our API product logo (donut), proud to be supported with the document which has the license to use it, ensuring that largely met all performance requirements set by automotive manufacturers worldwide.

When these products are used in previous models provides additional protection that benefits the operation of the engine by increasing its life and allowing a smoother and more powerful.

### PROPERTIES AND CUSTOMER BENEFITS

- Motor oils designed to provide excellent protection to natural aspirated and turbocharged four stroke gasoline engines extending its durability during the most adverse operation conditions.
- Full HD Heavy Duty API SL helps you reducing operation costs and improves profitability according to its extended oil drain capability.
- Widely exceeds the lubrication requirements for collateral required by manufacturers of gasoline engines.
- Provides greater reliability of operation while maintaining outstanding cleaning gasoline engines.
- Outstanding wear protection to minimize maintenance costs and extend the life of the engine under all operating conditions.
- Added high antioxidant technology for controlling oil oxidation and premature aging.
- High dispersing properties to control soot and deposit formation avoiding ring and valve clogging.
- Its Alkaline Reserve balance is adequate to counteract corrosion due to acid substances formed during the combustion process.

### APPLICATIONS

Roshfrans Full HD Heavy Duty API SL Monograde Motor Oil is specifically compounded with the latest technology to provide a high performance in any brand new or older four stroke gasoline engine requiring an API SL or inferior service category.

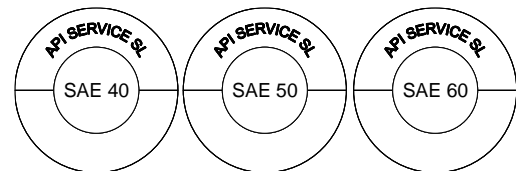
It is ideal for passenger cars, trucks, vans, SUVs, power boats, motorcycles, and other mobile and stationary equipment according to recommendations made by engine manufacturers.

An API SL oil is mainly recommended for the service of gasoline engines for 2004 model vehicles and prior years.

### SPECIFICATIONS

Full HD Heavy Duty API SL Monograde motor oil meet or exceed the following performance specifications:

Service Designation **API SL**  
SAE J300  
NOM-116-SCFI-1997



### HEALTH AND SAFETY

- This product is not expected to produce adverse effects on health when used for its intended application.
- Avoid prolonged contact with used oil. Continuous contact with used oil has caused skin cancer in lab animals. Wash skin thoroughly with soap and water.
- Maintain your work clothes and maintenance areas as clean and orderly as possible.
- Lubricant containers must be kept clean and well covered. Store them in shady areas to counteract product contamination.
- Do not pollute. Disposed of used lubricants in accordance with local, state, and federal guidelines.
- Keep this product out of reach of children and animals.

For any doubt regards Roshfrans lubricants and their applications, please contact our Technical Assistance Department. For further information about security and hygiene aspects request the corresponding Material Safety Data Sheet from your local sales representative.



# PRODUCT DATA SHEET

## AUTOMOTIVE DIVISION

### Passenger Car Motor Oil

## Full HD Heavy Duty API SL Motor Oil

### SAE 40, SAE 50 and SAE 60

#### TYPICAL TEST DATA

	ASTM D METHOD	TYPICAL VALUE		
		SAE J300	40	50
<b>Grado SAE</b>				
Appearance	Visual	Bright	Bright	Bright
ASTM Color	1500	6.0	7.0	7.0
Kinematic Viscosity @ 100 °C, mm <sup>2</sup> /s (cSt)	445	13.70	19.13	23.00
Kinematic Viscosity @ 40 °C, mm <sup>2</sup> /s (cSt)	445	141.0	234.2	311.3
Viscosity Index	2270	92	92	92
Density @ 15.6 °C, kg/L	1298	0.9024	0.9168	0.9214
Flash Point, °F (°C)	92	442 (228)	453 (234)	464(240)
Pour Point, °F (°C)	97	-16(-9)	-16(-9)	-16(-9)
Base Number (BN), mg KOH/g	2896	6.75	6.75	6.75

Typical test data are average values only and is subject to change without further notification due to continual product research and development. Minor variations which do not affect product performance are to be expected during normal manufacturing.