



## **HIGH MILEAGE FORMULA OILS**

**Meets API Service Categories SL, SJ**

**High Performance, High Detergent**

**Meets Car Manufacturers Warranty Requirements for Gasoline Engines where API SL oils are specified.**

### **PRODUCT DESCRIPTION**

FormulaShell<sup>®</sup> HIGH MILEAGE FORMULA OILS are formulated for engines with 75,000 miles and more. They provide extra protection to extend the life of the engine. The SAE 10W-30 or SAE 10W-40 grade engine oils meet and exceed all automobile and light duty truck requirements for gasoline engines where API SL service performance is recommended. These oils can be used in place of SJ, SH, and SG rated oils.

Some of the features of FormulaShell<sup>®</sup> HIGH MILEAGE FORMULA OILS are:

- Help reduce oil consumption
- Provide protection for worn engine parts
- Contain a Seal Conditioner to help reduce leaks

Follow manufacturer's recommendations for viscosity grade and API Service.

### **PRECAUTIONS**

The petroleum hydrocarbons used in this product have been severely hydrotreated and/or solvent refined and are considered non-hazardous under current OSHA regulations. Good hygiene, which includes regular washing of skin with soap and water and frequent changing of soiled clothing, should be used to avoid possible irritation and/or dermatitis. The formation of oil mists should be avoided. Note that used motor oil, that is oil which has been exposed to the very high temperatures of internal combustion engines, tends to contain higher amounts of aromatics, which have been linked to skin cancer in certain laboratory studies.

### **WARNING**

"Empty" containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to the heat, flame, sparks, or other sources of ignition; they may explode and cause injury or death. "Empty" drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner.

**TYPICAL PHYSICAL AND CHEMICAL PROPERTIES**  
**FormulaShell® HIGH MILEAGE FORMULA OILS**

<b>TEST</b>	<b>TYPICAL RESULTS</b>	
	<b>10W-30</b>	<b>10W-40</b>
<b>SAE Viscosity Grade</b>	<b>10W-30</b>	<b>10W-40</b>
API Gravity	30.96	30.96
Viscosity, cSt, 40°C	80.7	108.4
Viscosity, cSt, 100°C	12.0	15.50
Viscosity Index	143	152
Flash Point, °C (°F)	221 (430)	221 (430)
Pour Point, °C (°F)	-30 (-22)	-30 (-22)
Viscosity, cP, Max., 7000 @	-25°C (-13°F)	-25°C (-13°F)
Low Temp. Pumping	-30°C (-22°F)	-30°C (-22°F)
Viscosity, cP Max	60,000	60,000
Material Number		
6/1 quart	5023006031	5023106031