

**Product Description**

**Roadmaster Titanium FEO (Fuel Economy Oil) 5W/20** is formulated as a full synthetic lubricant with the latest additive technology to meet **API SN Plus/CF, ILSAC GF-5 and API Resource Conserving** Petrol Engine Lubricant specifications providing excellent engine protection for the modern car specifying a 5W/20 grade oil. It also provides improved turbocharger protection for engines where turbochargers are fitted.

**Product Features & Benefits**

The **API SN** specification was introduced in October 2010 for 2011 and older vehicles, designed to provide improved high temperature deposit protection for pistons, more stringent sludge control, and seal compatibility. **API SN with Resource Conserving ILSAC GF-5** by combining API SN performance with improved fuel economy, turbocharger protection, emission control system compatibility, and protection of engines operating on ethanol-containing fuels up to E85.

**API SN Plus** provides LSPI (Low Speed Pre-Ignition) protection to TGDI (Turbocharged Gasoline Direct -injection) engines.

**Roadmaster Titanium FEO** meets the requirements of Resource Conserving and provides:

- emission system protection
- turbocharger protection
- compatibility with engines operating on ethanol containing fuels, up to E-85

**Roadmaster Titanium FEO provides**

- **improved turbocharger protection.** Oxidative degradation/thermal coking of engine oil in the turbocharger bearing area can lead to deposit build-up. It is necessary to protect the bearing from deposits because it can lead to loss of engine performance and possibly engine failure. Roadmaster Titanium FEO has improved turbocharger protection over older specifications.
- **Low Speed Pre-Ignition Protection (LSPI).** Titanium FEO is specially formulated to meet API SN Plus . This specification was developed to protect high compression gasoline direct injection engines from the occurrence of Low Speed Pre-Ignition and Timing Chain Wear.
- Backwards compatibility to API SM.

**Additional Information**

**Roadmaster Titanium FEO** is made from full synthetic base oils fortified with the latest additive technology to provide a high level of engine protection against engine sludge, varnish deposits and wear. A particular feature of the Roadmaster Titanium FEO specification is the special attention given to the reduction in wear in the valve train mechanism -and increased resistance to oil oxidation.

**Typical Characteristics**

SG@20° C	0.847	TBN, mg KOH / g	7.74
Viscosity @ 40°C, cSt	46.0	Sulphated Ash, %Wt	0.85
Viscosity @ 100°C, cSt	8.37	Phosphorus, ppm	765
Viscosity Index	159.5	Sulphur, ppm	2,175

**Performance Levels**

<b>API SN Plus</b>	<b>ILSAC GF-5</b>	<b>API Resource Conserving</b>
<b>API SN / SM</b>	<b>Ford WSS-M2C 945A</b>	<b>Chrysler MS-6395 T</b>