Super S® SuperSyn™ Full Synthetic Motor Oil is a premium engine oil that provides excellent protection for both turbocharged gasoline direct-injection, conventional gasoline-fueled and flex-fueled passenger cars and light trucks under all operating conditions.

Licensed as API SN Plus to meet the latest (2017) fuel economy standards, SuperSyn™ Motor Oils provide unmatched wear protection minimizing piston deposits, varnish, sludge, oxidation, and viscosity breakdown. In repeated testing, over the range of tests and variants, SuperSyn™ Motor Oils demonstrate among the lowest rates of wear in the industry² while also providing outstanding protection against rust and corrosion.

Super S® SuperSyn™ Full Synthetic Motor Oil is made with a proprietary blend of synthetic base stocks and fortified with a balanced additive system containing a groundbreaking liquid magnesium detergent that exceeds API and OEM industry standards for fuel economy and wear. Manufactured to our Advanced Quality Assurance™ standards to ensure maximum protection to keep your car driving like new. Every batch is laboratory tested from base stocks and additives to finished product to consistently deliver an exceptional level of performance and protection.

Super® S SuperSyn™ Full Synthetic Motor Oils are licensed with the American Petroleum Institute (API) for the API SN Plus supplemental service category and carry many other industry approvals for engines with Turbochargers, Direct Injection, and Flex-fueled Hybrids. This exclusive detergent system forms a bond with the metallic surfaces inside your engine forming a slick protective barrier that contaminants are unable to cling to while being more Eco friendly than other detergent systems. Robust detergents show excellent cleaning capabilities to rid the engine of pre-existing varnish and sludge that can lead to loss of power, fuel economy, and overall service life.

Special Warnings
Use the same care and handling as with any synthetic motor oil.

Applications/Approvals
- API: SN Plus-RC (except 10W-40 is SN Plus only)
- ILSAC: GF-5 (except 10W-40)
- ACEA: A5/B5-16 (0W-30, 10W-30)
- ACEA A3/B3-16 (5W-40, 10W-40)
- Chrysler MS-6395
- Ford WSS-M2C950-A (SAE 0W-30)
- Ford WSS-M2C930-A (SAE 5W-20)
- Ford WSS-M2C945-B1 (SAE 5W-20)

Features
- Helps protect against low speed pre-ignition (LSPI) in turbocharged gasoline direct-injection engines (TGDI)
- Exceeds ILSAC GF-5 requirements for new cars under warranty
- Friction-modified for best-in-class fuel economy
- Excellent resistance to viscosity and thermal breakdown at high temperatures
- Liquid Mag film protects against sludge and varnish formation
- Protects against wear and bearing corrosion
- Low volatility for reduced oil consumption
- Eliminates foaming
- Formulated to protect turbochargers and emission control system catalysts
- Formulated for use in vehicles operating on ethanol-containing fuels up to E85

Product Highlights
- Best fuel economy in a Passenger Car Motor Oil
- Clean burning eco-friendly detergent system
- Long-term oxidation stability for Extended Drain service

Technical Data Sheet Super S® SuperSyn™ SN Plus Engine Oil

Technical Data on page 2

SuperS Lubricants May 1, 2018

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## Typical Characteristics

<table>
<thead>
<tr>
<th>Properties</th>
<th>Test Method ASTM D-</th>
<th>Typical Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAE Viscosity Grade</td>
<td>5W-20 0W-30 10W-30 5W-40 10W-40</td>
<td></td>
</tr>
<tr>
<td>Flash Point, COC °F/°C</td>
<td>92 401/205 406/208 431.6/222 437/225 437/225</td>
<td></td>
</tr>
<tr>
<td>Pour Point, °F/°C</td>
<td>97 -49/-45 -45.4/-43 -41/-41 -38/-39.4 -36/-32.8</td>
<td></td>
</tr>
<tr>
<td>Viscosity: cSt @ 100°C</td>
<td>445 8.8 10.8 10.94 14.0 13.8</td>
<td></td>
</tr>
<tr>
<td>Viscosity Index</td>
<td>2270 155 175 160 175 160</td>
<td></td>
</tr>
<tr>
<td>CCS Viscosity (mPa-s)</td>
<td>5293 6600@-30C 6200@-35C 6000@-25 6600@-30C 6000@-25</td>
<td></td>
</tr>
<tr>
<td>NOACK Volatility (%wt)</td>
<td>5800 &lt;15 &lt;15 &lt;15 &lt;15 &lt;15</td>
<td></td>
</tr>
<tr>
<td>HTHS @ 150°C, cP</td>
<td>4683 2.6 2.95 2.95 3.5 3.5</td>
<td></td>
</tr>
<tr>
<td>Magnesium, ppm</td>
<td>6841 396 398 396 400 400</td>
<td></td>
</tr>
<tr>
<td>Sulphated Ash, wt %</td>
<td>874 0.92 0.92 0.92 0.92 0.92</td>
<td></td>
</tr>
</tbody>
</table>

Typical test data are average values only. Minor variations which do not affect product performance are to be expected during normal manufacturing.