



HICKS oils
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Full Synthetic API SP Motor Oils

FORMULA 500[®] SP Full Synthetic Motor Oils are designed to meet the high performance requirements of the current API SP service category introduced in 2020. FORMULA 500[®] API SP Full Synthetic Blend Motor Oils use high quality synthetic base stocks along with state of the art additive technology to create a high quality motor oil for use in gasoline powered engines, including turbocharged GDI engines. These oils provide excellent protection against wear and deposits in the engine, while extending the life of emission control components. They also help prevent occurrences of LSPI (low speed pre-ignition), which can cause damage to engines.

FORMULA 500[®] SP Full Synthetic Motor Oils formally carry the American Petroleum Institute's (API) SP approval, and proper viscosities are also ILSAC GF-6 approved and are considered Resource Conserving. These formal approvals are denoted by the API donut and ILSAC starbursts identifying oils which have undergone the necessary testing and monitoring by the API to verify the product meets the current automotive specification. These oils are also fully backwards compatible to all older API gasoline powered engine specifications such as SN PLUS, SN, SM, etc.

As with any lubricant, always follow manufacturer's recommendations for proper service classification and viscosity grade.

Typical Properties:

| Product: FORMULA 500 [®] Full Synthetic SP Motor Oils | | | | |
|--|------------|------------|------------|------------|
| SAE Viscosity Grade | 0W-20 | 5W-20 | 5W-30 | 10W-30 |
| API Classification, (ILSAC Classification) | SP (GF-6A) | SP (GF-6A) | SP (GF-6A) | SP (GF-6A) |
| Product Code | 53162 | 53165 | 53166 | 53167 |
| Kinematic Viscosity @ 100°C, cSt (ASTM D-445) | 8.4 | 8.9 | 10.9 | 10.3 |
| Kinematic Viscosity @ 40°C, cSt (ASTM D-445) | 44.6 | 48.8 | 62.2 | 62.6 |
| Viscosity Index (ASTM D-2270) | 169 | 163 | 168 | 153 |
| Total Base Number (ASTM D-2896) | 7 | 7 | 7 | 7 |
| Zn (ppm) | 760 | 710 | 710 | 710 |
| Ca (ppm) | 800 | 760 | 760 | 760 |
| Mg (ppm) | 750 | 700 | 700 | 700 |
| P (ppm) | 700 | 655 | 655 | 655 |