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Conventional API SP Motor Oils

FORMULA 500® Conventional API Service SP Motor Oils are designed to meet the high performance requirements of the current API SP service category introduced in 2020. FORMULA 500® API SP Motor Oils use premium petroleum 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 oxidation, 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 and provide outstanding protection against timing chain wear.

FORMULA 500® Conventional API Service SP Motor Oils formally carry the American Petroleum Institute’s (API) SP approvals, and the 5W-20, 5W-30, and 10W-30 viscosities are Resource Conserving and ILSAC GF-6A approved. The API donut and ILSAC starburst identify oils which have undergone the necessary testing to meet the current automotive specification. These oils are fully backwards compatible to all older API gasoline powered engine specifications such as SN PLUS, SN, SM, etc.

Always follow manufacturer’s recommendations for service classification, viscosity grade and drain intervals.

Typical Properties:

Product: FORMULA 500® SP Conventional Motor Oils					
SAE Viscosity Grade	5W-20	5W-30	10W-30	10W-40	20W-50
API Classification, (ILSAC Classification)	SP (GF-6A)	SP (GF-6A)	SP (GF-6A)	SP	SP
Product Code	53125	53126	53127	53128	53120
Kinematic Viscosity @ 100°C, cSt (ASTM D-445)	8.3	10.5	10.4	14.8	19.1
Kinematic Viscosity @ 40°C, cSt (ASTM D-445)	47.5	61.9	69.9	104.0	162.9
Viscosity Index (ASTM D-2270)	150	160	135	148	134
Total Base Number (ASTM D-2896)	8	8	8	8	8
Zn (ppm)	810	810	810	810	810
Ca (ppm)	720	720	720	720	720
Mg (ppm)	830	830	830	830	830
P (ppm)	650	650	650	650	650