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API SP Synthetic Blend Motor Oils

FORMULA 500[®] API Service SP Synthetic Blend Motor Oils are designed to meet the high performance requirements of the current API SP service category introduced in 2020. FORMULA 500[®] API SP Synthetic Blend Motor Oils use premium conventional and 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 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[®] Synthetic Blend API Service SP Motor Oils formally carry the American Petroleum Institute's (API) SP approvals and 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 Synthetic Blend Motor Oils			
SAE Viscosity Grade	5W-20	5W-30	10W-30
API Classification, (ILSAC Classification)	SP (GF-6A)	SP (GF-6A)	SP (GF-6A)
Product Code	53175	53176	53177
Kinematic Viscosity @ 100°C, cSt (ASTM D-445)	8.1	11.0	10.1
Kinematic Viscosity @ 40°C, cSt (ASTM D-445)	46.2	66.7	61.9
Viscosity Index (ASTM D-2270)	150	157	150
Total Base Number (ASTM D-2896)	7.3	7.3	7.3
Zn (ppm)	740	740	740
Ca (ppm)	790	790	790
Mg (ppm)	735	735	735
P (ppm)	680	680	680