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API SN Plus Motor Oils

FORMULA 500® API Service SN Plus Motor Oils are designed to meet the high performance requirements of the current API SN Plus service category introduced in 2018. FORMULA 500® API SN Plus Motor Oils use high quality 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 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. This premium blend of motor oil allows up to 5,000 miles between oil changes.

FORMULA 500® API Service SN Plus Motor Oils formally carry the American Petroleum Institute's (API) SN Plus approvals, and the 5W-20, 5W-30, and 10W-30 viscosities are Resource Conserving and ILSAC GF-5 approved. The 5W-20, 5W-30, and 10W-30 viscosity grades are also synthetic blend products. 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, SM, SL, etc.

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

Typical Properties:

Product: FORMULA 500® SN Plus Motor Oils					
SAE Viscosity Grade	5W-20	5W-30	10W-30	10W-40	20W-50
API Classification, (ILSAC Classification)	SN+ (GF-5)	SN+ (GF-5)	SN+ (GF-5)	SN+	SN+
Product Code	52175	52176	52177	52128	52120
Kinematic Viscosity @ 100°C, cSt (ASTM D-445)	8.3	10.7	9.9	15.4	19.3
Kinematic Viscosity @ 40°C, cSt (ASTM D-445)	48.0	64.4	62.6	105.3	171.8
Viscosity Index (ASTM D-2270)	149	156	142	154	128
Total Base Number (ASTM D-2896)	7.3	7.3	7.3	7.3	7.3
Zn (ppm)	820	820	820	820	820
Ca (ppm)	1360	1360	1360	1360	1360
Mg (ppm)	400	400	400	400	400
P (ppm)	750	750	750	750	750