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Full Synthetic API SN Plus Motor Oils

FORMULA 500® SN Plus Full Synthetic 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 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® SN Plus Full Synthetic Motor Oils formally carry the American Petroleum Institute’s (API) SN Plus approval, and proper viscosities are also ILSAC GF-5 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, SM, SL, etc.

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

Typical Properties:

Product: FORMULA 500® Full Synthetic SN Plus Motor Oils				
SAE Viscosity Grade	0W-20	5W-20	5W-30	10W-30
API Classification, (ILSAC Classification)	SN Plus (GF-5)	SN Plus (GF-5)	SN Plus (GF-5)	SN Plus (GF-5)
Product Code	52162	52165	52166	52167
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)	7.2	7.2	7.2	7.2
API Gravity (ASTM D-1298)	35.7	35.2	35.1	34.3
Zn (ppm)	800	800	800	800
Ca (ppm)	1400	1400	1400	1400
Mg (ppm)	400	400	400	400