



Hicks Oils
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FORMULA 500

Synthetic SM/CF Motor Oils

Formula 500 Synthetic API Service SM/CF motor oils are among the premium oils in the marketplace today. Synthetic motor oils show a marked improvement in the areas of thermal stability and low temperature pumpability over conventional oils. Formula 500® API SM synthetic 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. These API licensed motor oils provide protection against engine wear and deposits, while extending the life of emission control component. Due to the high quality components, this synthetic motor oil allows up to 10,000 miles between oil changes

These oils carry the American Petroleum Institute SM/CF approvals, and the 5W-20, 5W-30, and 10W-30 grade also carry the ILSAC GF-4 approval. The API donut and ILSAC starburst identify oils which have undergone the necessary testing to meet current automotive specification. In addition the API tests samples from the market place to verify compliance with current specifications. These oils also meet all older API gasoline specifications (SL, SJ, etc...) and diesel CF specification.

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

Typical Properties:

Product: Formula 500 SM/CF Synthetic Motor Oils					
SAE Viscosity Grade	5W-20	5W-30	10W-30	10W-40	20W-50
API Classification, (ILSAC Classification)	SM/CF (GF-4)	SM/CF (GF-4)	SM/CF (GF-4)	SM/CF	SM/CF
Product Code	41155	41156	41157	41158	00063
Kinematic Viscosity @ 100 °C cSt (ASTM D-445)	8.7	10.8	10.3	14.4	18.84
Kinematic Viscosity @ 40 °C cSt (ASTM D-445)	48.7	62	65.4	96.1	129.5
Viscosity Index (ASTM D-2270)	159	165	145	155	164
Total Base Number (ASTM D-2896)	8.4	8.1	8.3	8.4	9.0
Flash Point °C (°F) (ASTM D-92)	230(446)	234(453)	246(474)	234(453)	236(457)
Pour Point °C (°F) (ASTM D-97)	-36(-33)	-33(-27)	-33(-27)	-33(-27)	-39(-38)
API Gravity (ASTM D-1298)	34.6	34.5	33.5	33.6	30.0
Zn (ppm)	850	850	850	850	850
Ca (ppm)	2140	2140	2140	2140	2140
P (ppm)	770	770	770	770	770