



Product Bulletin

SECURITY PRODUCTS

Security Multi-Grade Motor Oils are available in two SAE viscosity grades: 5W-30 and 10W-30. They are economy grade engine oils formulated with high quality paraffinic base oils and selected additive packages. They are designed for gasoline engines in passenger cars and trucks, as well as certain aspirated, turbocharged or supercharged diesel engines when API Service Categories SF, SE, SD, or SC are recommended. These products provide oxidation stability and antiwear performance and offer protection against low-temperature engine deposits, rust and corrosion. In addition, they meet or exceed the diesel engine service requirements of API CC and CD. Oils designed for these services provide protection from high-temperature deposits, bearing corrosion, and fuels with a wide quality range (including high-sulfur fuels).

Security Mono-Grade Non-Detergent Oil is an SAE 30 uninhibited oil formulated with high quality base stocks and antifoam to minimize cavitation. The base stock is refined from Pennsylvania Grade crude oil – a unique, thermally stable paraffinic crude that is free of asphalt constituents, has a natural high viscosity index, and contains only trace amounts of sulfur and nitrogen. Pennsylvania grade crude offers naturally good antiwear characteristics making this oil suitable for use in certain hydraulic applications where an ISO viscosity grade (VG) 100 fluid is warranted, straight cut reduction gear applications where bearing protection is crucial, and other applications requiring an API Service SA fluid. Category SA denotes service typical of older engines operated under such mild conditions that the protection afforded by compounded oils is not required. This category has no performance requirements, and oils in this category should not be used in any engine unless specifically recommended by the equipment manufacturer.



AMERICAN REFINING GROUP, INC.

77 North Kendall Avenue • Bradford, Pennsylvania • 16701
Phone: 814.368.1200 • Fax 814.368.1219 • www.amref.com • ISO 9001:2008

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Typical Properties

SAE Grade		5W-30	10W-30	30
API Service	Test Method	SF/CC-CD	SF/CC-CD	SA
API Gravity, 60°F	ASTM D-4052	31.7	31.3	29.7
Density, lbs/gal (g/L)	Calculated	7.22 (865)	7.254 (869)	7.33 (878)
Viscosity, cSt @ 40°C	ASTM D-445	62.7	70	108.0
Viscosity, cSt @ 100°C	ASTM D-445	10.7	10.5	11.20
Viscosity Index	ASTM D-2270	162	140	100
CCS @ -25° C, cP	ASTM D-5293	N/A	5700	N/A
MRV @ -30°C < 35 Pa	ASTM D-4684	N/A	27400	N/A
Color	ASTM D-1500	2.5	2.5	6.0
Pour Point, °F (°C)	ASTM D-5949	-43.6 (-42)	-32.8 (-36)	15 (-9)
Flash Point, COC, °F (°C)	ASTM D-92	380 (193)	400 (204)	420 (214)
TBN	ASTM D-2896	6.25	5.5	---
KF Moisture, ppm (max)	ASTM D-6304	400	400	400
Sulfated Ash, mass %	ASTM D-874	0.8	0.82	---
Product Code		7925	7919	7030