

SpecOil

PRODUCT DATA SPECIFICATIONS

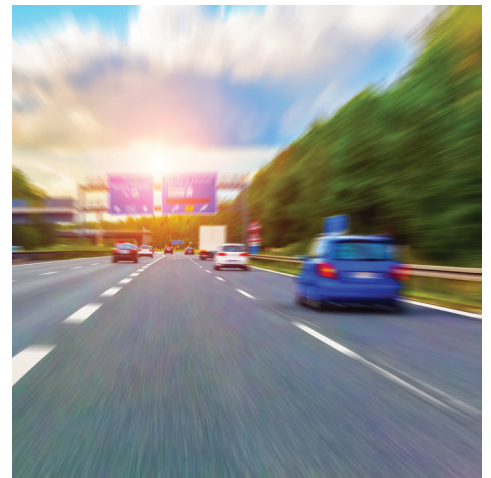
FULL SYNTHETIC MOTOR OIL

OEMs continue to advance engine designs that present new challenges for motor oil and engine protection. SpecOil™ Full Synthetic 0W-20, 5W-20 and 5W-30 API SP GF-6 Motor Oil takes advantage of the latest technology to deliver dependability, unsurpassed engine protection, performance, cleanliness and fuel mileage. It also provides the following features and benefits:

- Controls friction and wear 29% better than the latest API requirements.¹
- Engineered to improve fuel mileage and to maximize horsepower and acceleration.
- Longer and better engine protection than conventional oils due to strong and uniform synthetic base oils and advanced molecules that provide a strong film barrier to control friction, resist wear and keep metal surfaces from coming into contact.
- Provides a strong oil film to avoid metal-to-metal contact, even under extreme stress and heat.²
- Stands up to heat and shearing, so it delivers long-lasting protection and control.

¹ As measured against the Sequence IV Average Cam Wear Limit for API SP

² To measure friction reduction benefits, engineers used the ball-on-disk traction test



SpecOil Retail Fuels LLC | 333 N. Sam Houston Pkwy E, Suite 550 | Houston, TX 77060
Ph: 832-399-7950 | www.specoillubes.com

© Copyright 2020 SpecOil™
SOLIT210

Typical Properties	Test Method	FS 0W-20	FS 5W-20	FS 5W-30
Gravity, ° API	ASTM D287	35.66	34.99	35.82
Specific Gravity @ 60 ° F (15.6 ° C)	ASTM D4052	0.8465	0.8499	0.8457
Flash Point, ° C	ASTM D92	226	228	227
Flash Point, ° F	ASTM D92	439	442	441
Viscosity @ 40 ° C, cSt	ASTM D445	44.59	46.06	62.09
Viscosity @ 100 ° C, cSt	ASTM D445	8.475	8.515	10.91
Viscosity Index	ASTM D2270	170	164	169
Pour Point, ° C (° F)	ASTM D5950	-45 ° C (-49 ° F)	-45 ° C (-49 ° F)	-45 ° C (-49 ° F)
Cold Cranking Simulator at (° C), cP	ASTM D5293	5800 (-30)	3400 (-30)	4400 (-30)
High Temperature / High Shear Vis at 100 ° C, cP	ASTM D6616	5.76	-	6.9
High Temperature / High Shear Vis at 150 ° C, cP	ASTM D5481	2.7	2.67	3.2
Noack Volatility, % loss	ASTM D6375	13	11.7	12
Color	ASTM D1500	3	3	3
Zinc, wt. %	ASTM D5185	0.085	0.085	0.085
Phosphorus, wt. %	ASTM D5185	0.076	0.077	0.076
Calcium, wt. %	ASTM D5185	0.135	0.099	0.135
Sulfur, wt. %	ASTM D4951	0.3	0.3	0.3
Magnesium, wt. %	ASTM D5185	0.059	0.059	0.059
Boron, wt. %	ASTM D5185	0.023	0.02	0.023
Molybdenum, wt. %	ASTM D5185	0.0079	0.0079	0.0079
Sulfated Ash, wt. %	ASTM D874	0.9	0.92	0.9
Nitrogen, wt. %	ASTM D4629	0.104	0.087	0.104
Pumping Viscosity at (° C), cP	ASTM D4684	21,000 (-35)	10,400 (-35)	15,000 (-35)
Shear Stability, Final Viscosity in cSt	ASTM D6278	7.5	7.8	9.4
Foam Seq. I (Tendency/Stability), mL	ASTM D892 (Opt. A)	0/0	0/0	0/0
Foam Seq. II (Tendency/Stability), mL	ASTM D892 (Opt. A)	5/0	0/0	10/0
Foam Seq. III (Tendency/Stability), mL	ASTM D892 (Opt. A)	0/0	0/0	0/0
High Temperature Foaming, static foam	ASTM D6082 (Opt A)	20/0	10/0	15/0
TBN, mgKOH/g	ASTM D2896	7.9	7.0	7.9

Industry/OEM Specifications	FS 0W-20	FS 5W-20	FS 5W-30
★ Approved ● Meets Requirements ○ Suitable for Use – Not Applicable			
API SP	★	★	★
API SN PLUS, SN, SM, SL, SJ, SH, SG, SF, SE, SD, SC	●	●	●
ILSAC GF-6A	★	★	★
ILSAC GF-5, GF-4, GF-3, GF-2, GF-1	●	●	●
dexos1™ Gen 2	★	–	★
Chrysler MS-6395	●	●	●
Chrysler MS-10797	–	●	–
Ford WSS M2C962-A1, WSS-M2C947-A, WSS-M2C947-B1	●	–	–
Ford WSS M2C960-A1, M2C945-B1, M2C945-A, M2C930-A, M2C153	–	●	–
Ford WSS M2C961-A1, M2C946-B1, M2C946-A M2C929-A	–	–	●
GM 4718M	●	●	●
GM 6094M	●	●	●

