SYNTHETIC BLEND MOTOR OIL

PASSENGER CAR MOTOR OIL

OEMs continue to evolve engine designs that demand more from motor oil. One brand has evolved right alongside – .

Synthetic Blend provides extra protection and peace of mind, compared with conventional oil. It provides unsurpassed protection, even in our lightest viscosities.

In addition, FMX® Technology creates strong, durable and high-performing oil that controls friction and keeps metal surfaces from coming into contact.

So if you want a higher level of protection and performance than conventional motor oils, select Synthetic Blend Motor Oil from Volotec.

UNSURPASSED PROTECTION, EVEN IN THE LIGHTEST VISCOSITY

Volotec with FMX® Technology provides unsurpassed protection in every viscosity. Even our lowest viscosity oils protect better than thick oils of the past. Our advanced oil chemistry actually improves oil properties through time, retaining viscosity, friction and anti-wear benefits, in spite of severe engine temperatures.

SYNTHETIC BLEND MOTOR OIL

Volotec with FMX® Technology – Friction Management for Xtreme protection™ provides these benefits:

PERFORMANCE

Outstanding control of friction and wear better than the latest API standards.[1]

STRENGTH

Provides a strong oil film to protect rotating engine parts, even under extreme stress conditions.

DURABILITY

Stands up to the heat and shearing so it extends oil life.

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

TYPICAL PROPERTIES

Viscosity Grade		Syn Blend 5W-20	Syn Blend 5W-30	20W-50 Racing
Boron, wt. %	ASTM D5185	0.007	0.007	0.0348
Calcium, wt. %	ASTM D5185	0.119	0.119	0.2025
Cold Cranking Simulator at (°C), cP	ASTM D5293	4816 (-30)	5325 (-30)	6255 (-15)
Color	ASTM D1500	2.5	2.5	3.5
Flash Point °C	ASTM D92	220	220	-
Flash Point °F	ASTM D92	428	428	-
Foam Seq. III (Tendency/Stability), mL	ASTM D892 (Opt. A)	0/0	0/0	-
Foam Seq. II (Tendency/Stability), mL	ASTM D892 (Opt. A)	0/0	0/0	-
Foam Seq. I				

(Tendency/Stability), mL	ASTM D892 (Opt. A)	0/0	0/0	-
Gravity, °API	ASTM D287	34.00	33.94	30.36
High Temperature Foaming, static foam	ASTM D6082 (Opt A)	30/0	30/0	-
High Temperature / High Shear Vis at 150°C, cP	ASTM D5481	2.6	3.07	5.63
Magnesium, wt. %	ASTM D5185	0.038	0.038	-
Molybdenum, wt. %	ASTM D5185	0.004	0.004	0.0118
Nitrogen, wt. %	ASTM D4629	0.081	0.081	-
Noack Volatility, % loss	ASTM D6375	11.1	11.7	-
Phosphorus, wt. %	ASTM D5185	0.064	0.064	0.114
Pour Point °C (°F)	ASTM D5950	-45°C (-49°F)	-45°C (-49°F)	-
Pumping Viscosity at (°C), cP	ASTM D4684	13,600 (-35)	17,300 (-35)	-
Shear Stability, Final Viscosity in cSt	ASTM D6278	7.55	8.77	-
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.855	0.8553	0.8742
Sulfated Ash, wt. %	ASTM D874	0.712	0.0712	-
Sulfur, wt. %	ASTM D4951	0.235	0.235	-
TBN, mgKOH/g	ASTM D2896	7.0	7.0	-
Viscosity @ 100°C cSt	ASTM D445	8.405	10.28	20.1
Viscosity @ 40°C cSt	ASTM D445	48.12	61.38	167.3
Viscosity Index	ASTM D2270	151	167	139
Zinc, wt. %	ASTM D5185	0.07	0.07	0.1275

INDUSTRY/OEM APPROVALS

Title	Syn Blend 5W-20	Syn Blend 5W-30	20W-50 Racing
API SJ, SH, SG, SF	Meets Requirements	Meets Requirements	-
API SL	Meets Requirements	Meets Requirements	-
API SM	Meets Requirements	Meets Requirements	-
API SN	Meets Requirements	Meets Requirements	-
API SN Plus	Meets Requirements	Meets Requirements	-
API SP	Approved	Approved	-
Chrysler MS-10797	Meets Requirements	-	-
Chrysler MS-6395	Meets Requirements	Meets Requirements	-
Ford WSS M2C945-B1, M2C945-A, M2C930-A, M2C153	Meets Requirements	-	-
Ford WSS M2C960-A1	Meets Requirements	-	-
GM 6094M	Meets Requirements	Meets Requirements	-
ILSAC GF-4	Meets Requirements	Meets Requirements	-
ILSAC GF-5	Meets Requirements	Meets Requirements	-
ILSAC GF-6A	Approved	Approved	-
Ford WSS M2C946-B1, M2C946-A, M2C929-A	-	Meets Requirements	-
Ford WSS M2C961-A1	-	Meets Requirements	-