

PROTECK™

Premium Protection for Today's Engines

PROTECK FULL SYNTHETIC PASSENGER CAR MOTOR OIL



OEMs continue to advance engine designs. Proteck Lubricants are engineered to provide unsurpassed protection for today's engines and better overall value.

PROTECTION

Controls friction and wear better than the latest API requirements. Improves fuel mileage.¹

POWERFUL

Provides a strong oil film to avoid metal-to-metal contact, even under extreme stress and heat.²

ENDURANCE

Stands up to heat and shearing, delivering long-lasting protection and control.

Proteck Full Synthetic Motor Oil is our purest and most advanced formulation for the best fuel mileage performance. It delivers unsurpassed protection including the following benefits:

- 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.
- Created for extreme hot and cold driving conditions: stop and go, frequent short trips, heavy loads and dusty conditions.

Meets or exceeds API SP and ILSAC GF-6A requirements.

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.

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APPLICATIONS

- Gasoline-fueled and flex-fuel passenger cars, light trucks and sport utility vehicles, including gasoline-electric hybrids, especially when operating under severe conditions.
- Formulated to protect turbochargers and emission control system catalysts.
- Formulated for use in vehicles operating on ethanol-containing fuels up to E85.

TYPICAL PROPERTIES

		FULL SYNTHETIC dexos1™ Gen 3 0W-20	FULL SYNTHETIC 5W-20	FULL SYNTHETIC dexos1™ Gen 3 5W-30
Calcium, wt. %	ASTM D5185	0.131	0.119	0.131
Cold Cranking Simulator at [°C], cP	ASTM D5293	5800 [-35]	4790 [-30]	3900 [-30]
Color	ASTM D1500	3	3	3
Gravity, °API	ASTM D287	-79.09	-77.08	-87.28
High Temperature / High Shear Vis at 150°C, cP	ASTM D5481	2.7	2.6	3.2
Nitrogen, wt. %	ASTM D4629	0.105	0.081	0.105
Noack Volatility, % loss	ASTM D5800	10.5	10.5	9.8
Phosphorus, wt. %	ASTM D5185	0.076	0.064	0.076
Pour Point, °C [°F]	ASTM D5950	-45°C [-49°F]	-45°C [-49°F]	-45°C [-49°F]
Pumping Viscosity at [°C], cP	ASTM D4684	19,300 [-35]	10,800 [-35]	14,500 [-35]
Specific Gravity at 60°F [15.6°C]	ASTM D4052	0.8465	0.8517	0.8478
Sulfated Ash, wt. %	ASTM D874	0.9	0.712	0.9
Sulfur, wt. %	ASTM D4951	0.3	0.235	0.3
TBN, mgKOH/g	ASTM D2896	7.9	7.0	7.9
Viscosity at 100°C, cSt	ASTM D445	8.432	8.507	11.2
Viscosity at 40°C, cSt	ASTM D445	44.2	49.05	62.34
Viscosity Index	ASTM D2270	171	151	175
Zinc, wt. %	ASTM D5185	0.085	0.07	0.085