



## TropArtic® Synthetic Blend Motor Oil

Phillips 66® TropArtic Synthetic Blend Motor Oil is a premium quality, part-synthetic automotive engine oil designed to provide excellent engine protection for gasoline-fueled and flex-fuel passenger cars and light trucks under all operating conditions.

TropArtic Synthetic Blend Motor Oil is formulated to provide excellent wear protection, to minimize sludge and varnish formation, and to resist viscosity and thermal breakdown, even in severe service. It also protects against rust and bearing corrosion, and is resistant to foaming. The part-synthetic formulation provides enhanced oxidation resistance and thermal stability at high temperatures and better pumpability at low temperatures compared with conventional engine oils, for extra protection under all driving conditions.

TropArtic Synthetic Blend Motor Oil exceeds new car warranty requirements as defined by ILSAC GF-5. It meets “Resource Conserving” requirements for fuel economy improvement, emission system and turbocharger protection, and protection of engines operating on ethanol-containing fuels up to E85. It is backward serviceable for use where API SM or earlier “S” category engine oils are recommended.

### ***Applications***

- Gasoline-fueled and flex-fuel passenger cars, light trucks and sport utility vehicles, including gasoline-electric hybrids
- Four-stroke cycle gasoline engines in other mobile or stationary equipment

TropArtic Synthetic Blend Motor Oil is licensed for:

- ILSAC GF-5
- API Service SN with Resource Conserving

TropArtic Synthetic Blend Motor Oil meets or exceeds the requirements of:

- Chrysler MS-6395
- Ford WSS-M2C945-A (SAE 5W-20)
- Ford WSS-M2C946-A (SAE 5W-30)
- Ford WSS-M2C947-A (SAE 0W-20)
- GM6094M (obsolete specification)
- Foreign automakers where the OEM specifies ILSAC GF-5 engine oil

**Premium  
Synthetic Blend  
Passenger Car  
Engine Oil**

### **CONTACT INFORMATION**

**Phillips66  
Lubricants.com**

U.S. Customer  
Service:  
**1-800-368-7128**

Technical Hotline:  
**1-877-445-9198**

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Customer Service:  
**1-832-765-2500**

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## Features/Benefits

- Exceeds ILSAC GF-5 requirements for new cars under warranty
- Friction-modified for improved fuel economy
- Excellent resistance to viscosity and thermal breakdown at high temperatures
- Protects against sludge and varnish formation
- Protects against wear and bearing corrosion
- Low volatility for reduced oil consumption
- Excellent low-temperature pumpability for protection during cold starts
- Highly resistant to foaming
- Formulated to protect turbochargers and emissions control system catalysts
- Formulated for use in vehicles operating on ethanol-containing fuels up to E85

### TropArtic® Synthetic Blend Motor Oil

Typical Properties				
SAE Grade	0W-20	5W-20	5W-30	10W-30
Specific Gravity @ 60°F	0.848	0.862	0.862	0.866
Density, lbs/gal @ 60°F	7.06	7.18	7.17	7.21
Color, ASTM D1500	3.0	3.0	3.0	3.0
Flash Point (COC), °C (°F)	218 (424)	218 (424)	216 (421)	229 (444)
Pour Point, °C (°F)	-41 (-42)	-39 (-38)	-39 (-38)	-39 (-38)
Viscosity, Kinematic				
cSt @ 40°C	46.0	49.1	64.5	65.6
cSt @ 100°C	8.8	8.4	10.8	10.6
Viscosity Index	174	147	159	151
Cold Cranking Viscosity, cP	5,400	6,150	6,150	4,550
@ (°C)	(-35)	(-30)	(-30)	(-25)
High-Temp/High-Shear Viscosity, cP @ 150°C	2.6	2.6	3.1	3.0
Sulfated Ash, ASTM D874, wt %	0.96	0.96	0.96	0.96
Total Base Number (TBN), ASTM D2896	8.0	8.0	8.0	8.0
Phosphorus, wt %	0.077	0.077	0.077	0.077
Zinc, wt %	0.085	0.085	0.085	0.085

## Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3apps.phillips66.com/NetMSDS>.

Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

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