

LAUNCHER MOTOR OIL ULTRA PREMIUM FULLY SYNTHETIC APISP

LAUNCHER Ultra Premium Fully Synthetic Motor Oil is formulated to outperform conventional oils and exceed API baseline performance testing standards on wear protection, engine sludge protection, piston cleanliness, low temperature performance, and oil loss prevention in gasoline/diesel engines and hybrid vehicles. LAUNCHER Ultra Premium Fully Synthetic Motor Oil has been recommended and tested on new engines and high mileage vehicles.



APPLICATIONS

- Turbocharged gasoline direct injection, conventional gasoline-fueled and flex-fuel passenger cars, light trucks and sport utility vehicles, including gasoline-electric hybrids, especially when operating under severe conditions.
- Four-stroke cycle gasoline engines in other mobile or stationary equipment.

PERFORMANCE FEATURES AND BENEFITS

- Exceeds ILSAC GF-6 requirements for new cars under warranty.
- Helps protect against low speed pre-ignition (LSPI) in turbocharged gasoline direct injection engines (TGDI).
- Outstanding resistance to viscosity and thermal breakdown at high temperatures.
- Enhanced performance benefits at extreme temperatures compared with conventional engine oils.

RECOMMENDATIONS / SPECIFICATIONS

MEETS OR EXCEEDS :

API SP, SN and all API previous categories, ILSAC GF-6A, ACEA C3, Chrysler: MS-6395; Ford: WSS-M2C947-B1, BMW LL04, MB 229.51, VW 504.00507, PORSCHE C30. GM DEX0S1 (Gen 3), LANDROVER STJLR.03.5003

/iscosity Grade	OW-16	0W-20	5W-20	5W-30	5W-40
PRODUCT CODE	LMO0W16FP	LMO0W20FP	LMO5W20FP	LMO5W30FP	LMO5W40FP
Density at 15.60C, g/ml, ASTM D4052	0.846	0.846	0.848	0.852	0.847
Color, ASTM 6045	3.0	0.848	0.852	0.853	3.0
Cold Cranking Viscosity (CCS), mPa s, ASTM D5293	5000 @-35°C	5900 @-35℃	3650@-30°C	4900@-30°C	5200@-30°C
Kinematic Viscosity at 40°C, mm²/s, ASTM D445	37.3	45.2	45.4	63 88	86.22
Kinematic Viscosity at 100°C, mm²/s, ASTM D445	7.3	8.5	8.7	11.1	14.60
/iscosity Index, ASTM D2270	163	168	165	167	177
lash Point (COC), °C, ASTM D92	-228	230	228	234	235
our Point, °C, ASTM D97	-42	-45-7-7 • 🔍	-42	-42	-45
ōtal Base Number, mg KOH/g, ASTM D2896	7.0	7.9	7.0	8.6	7.0
Sulfated Ash, wt%, ASTM D 874	0.9	0.9	0.9	0.9	0.8
High-Temperature/High-Shear Viscosity @ 150°C,	2.3	2.6	2.6	3.0	3.9
:P, ASTM D4683					
Phosphorus, wt %, ASTM D5185	0.077	0.077	0.077	0.077	0.077
Zinc, wt %, ASTM D5185	0.085	0.085	0.085	0.085	0.085

Note: These characteristics are typical of current production. While future production will conform to LAUNCHER'S specification, variations in these characteristics may occur.



Packing: 1L | 4L | 5L | 208L/Drum

Version : LL/TDS/GOGE/UPSF/V1/02-01-2023

Health and Safety: This lubricant, when used in accordance with our recommendations and for the application for which it is intended, does not constitute any special hazard. A safety data file conforming to the requirements of current EC legislation is available from your local trade consultant

PROPERTIES

LAUNCHER Ultra Premium Fully Synthetic Motor Oil is formulated with synthetic base stocks. The full synthetic formulation provides improved protection against viscosity breakdown and deposit formation at high temperatures; lower volatility for reduced oil consumption; and faster oil circulation at low temperatures for easier starting and better protection during cold starts when compared with conventional engine oils.

- Protects against sludge and varnish formation.
- Protects against rust 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 emission control system catalysts.

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ULTRA PREMIUM **FULLY SYNTHETIC** MOTOR OIL

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EXTREME PERFORMANCE MEETS & EXCEEDS (OEM) SPECS







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SAE OW-16 API SP FULLY SYNTHETIC OIL

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• TESTED ON NEW ENGINES & HIGH MILAGE VEHICLES

- PROTECTS AGAINST CORROSION & REDUCES ENGINE WEAR
- DEPOSIT CONTROL
- LOWER ENGINE EMISSION



LAUNCH its performance>> www.launcherlube.com



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APPLICATIONS

Turbocharged gasoline direct injection, conventional gasoline-fueled and flex-fuel passenger cars, light trucks and sport utility vehicles, including gasoline-electric hybrids, especially when operating under severe conditions. Four-stroke cycle gasoline engines in other mobile or stationary equipment.

PERFORMANCE FEATURES AND BENEFITS

Exceeds ILSAC GF-6 requirements for new cars under warranty.

Helps protect against low speed pre-ignition (LSPI) in turbocharged gasoline direct injection engines (TGDI). Outstanding resistance to viscosity and thermal breakdown at high temperatures. Enhanced performance benefits at extreme

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RECOMMENDATIONS / SPECIFICATIONS

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TYPICAL TECHNICAL PROPERTIES	
Viscosity Grade	OW-16
PRODUCT CODE	LMO0W16FP
Density at 15.6°C, g/ml, ASTM D4052	0.846
Color, ASTM 6045	3.0
Cold Cranking Viscosity (CCS), mPa s, ASTM D5293	5000 @-35°C
Kinematic Viscosity at 40°C, mm ² /s, ASTM D445	37.3
Kinematic Viscosity at 100°C, mm ² /s, ASTM D445	7.3
Viscosity Index, ASTM D2270	163
Flash Point (COC), °C, ASTM D92	228
Pour Point, °C, ASTM D97	-42
Total Base Number, mg KOH/g, ASTM D2896	7.0
Sulfated Ash, wt%, ASTM D 874	0.9
High-Temperature/High-Shear Viscosity @ 150°C,	2.3
cP, ASTM D4683	
Phosphorus, wt %, ASTM D5185	0.077
Zinc, wt %, ASTM D5185	0.085

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Packing : 1L | 4L | 5L | 208L/Drum

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PROPERTIES

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ULTRA PREMIUM FULLY SYNTHETIC MOTOR OIL

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SAE 0W-20

API SP

FULLY SYNTHETIC OIL

API SP , ACEA C. BMW LL04. M8 229.51 , VW 504.00507.PORSCHE C30 DM 0547031 /Gan 31. LANDROVER STJLR (0.500)

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- PROTECTS AGAINST CORROSION & REDUCES ENGINE WEAR
- DEPOSIT CONTROL
- LOWER ENGINE EMISSION



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SAE 5W-2

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ITRA PREMIUM MOTOR OIL ILE MOTEUR ULTRA PREMIUM

SAE 5W-20

FULLY SYNTHETIC OIL

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EXTREME PERFORMANCE MEETS & EXCEEDS (OEM) SPECS





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PROPERTIES

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LAUNCHER

ULTRA PREMIUM MOTOR OIL Huile Moteur ultra premium

> SAE 5W-30 API SP FULLY SYNTHETIC OIL

- CANADIAN

SAE SW-30 URCE CONSERVICE

• TESTED ON NEW ENGINES & HIGH MILAGE VEHICLES

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- DEPOSIT CONTROL
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CAL TECHNICAL PROPERTIES

/ Grade	5W-30
CT CODE	LMO5W30FP
at 15.6ºC, g/ml, ASTM D4052	0.852
STM 6045	0.853
anking Viscosity (CCS), mPa s, ASTM D5293	4900@-30°C
tic Viscosity at 40°C, mm²/s, ASTM D445	63
tic Viscosity at 100°C, mm²/s, ASTM D445	11.1
/ Index, ASTM D2270	167
int (COC), °C, ASTM D92	234
int, °C, ASTM D97	-42
se Number, mg KOH/g, ASTM D2896	8.6
l Ash, wt%, ASTM D 874	0.9
mperature/High-Shear Viscosity @ 150°C,	3.0
1 D4683	
orus, wt %, ASTM D5185	0.077
%, ASTM D5185	0.085

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LAUNCHER motoroil

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API SP FULLY SYNTHETIC OIL

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- TESTED ON NEW ENGINES & HIGH MILAGE VEHICLES
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- DEPOSIT CONTROL

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TYPICAL TECHNICAL PROPERTIES		
Viscosity Grade	5W-40	
PRODUCT CODE	LMO5W40FP	
Density at 15.6°C, g/ml, ASTM D4052	0.847	A CONTRACTOR OF
Color, ASTM 6045	3.0	
Cold Cranking Viscosity (CCS), mPa s, ASTM D5293	5200@-30°C	
Kinematic Viscosity at 40°C, mm ² /s, ASTM D445	86.22	
Kinematic Viscosity at 100°C, mm ² /s, ASTM D445	14.60	
Viscosity Index, ASTM D2270	177	
Flash Point (COC), °C, ASTM D92	235	
Pour Point, °C, ASTM D97	-45	
Total Base Number, mg KOH/g, ASTM D2896	7.0	A OPERATED
Sulfated Ash, wt%, ASTM D 874	0.8	OPERAT
High-Temperature/High-Shear Viscosity @ 150°C,	3.9	
cP, ASTM D4683		
Phosphorus, wt %, ASTM D5185	0.077	
Zinc, wt %, ASTM D5185	0.085	

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