





*The First in Synthetics*®



- First API rated 100% synthetic motor oil —
- First synthetic motor oil for diesel engines —
- First synthetic motor oil for racing engines —
- First synthetic motor oil for turbocharged engines —
- First synthetic motor oil for marine engines —
- First synthetic gear lube for automotive use —
- First 100:1 pre mix synthetic 2-cycle oil —
- First synthetic automatic transmission fluid for automotive use —



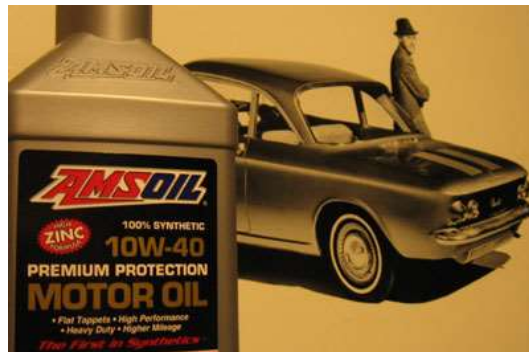
40 YEARS OF INDUSTRY LEADERSHIP

# INNOVATION

**Amsoil Inc.** is an American corporation based in Superior, Wisconsin that is the **FIRST IN THE WORLD** to formulate and package Synthetic Lubricants

It is a pure play Synthetic Oil Manufacturer.

Established in 1972



**Founder:**  
**Albert J. Amatuzio**  
**USAir Force**

## Global Footprint



**FUEL**

MAXIMIZE FUEL ECONOMY

**OIL**

38% LESS OIL CONSUMPTION





AMSOIL

**AMSOIL**

SIGNATURE SERIES

100%  
**Synthetic**  
MOTOR OIL

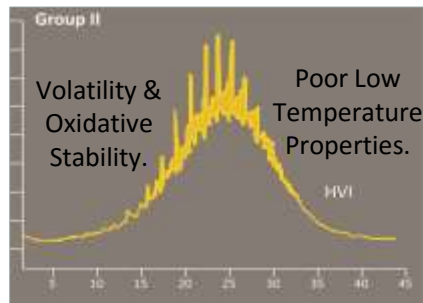


Group Designation	Composition	Viscosity Index	Volatility %	Polarity	Viscosity / Pressure (a)	Solvent for Additives	Pour Point °C	Flash Point °C	EHD Characteristics	Price (1-10)
Group I	Distilled, solvent refined: ≥10% aromatics, <90% saturates	80-119	15-20	med-high	>20	good-exc.	-5 to 15	100	med	1
Group II	Distilled, solvent refined, hydro-cracked: <10% aromatics, ≥90% saturates	80-119	10-15	med	>20	good	-10 to -20	170	high	1.05
Group III	Distilled, solvent refined, severely hydro-cracked: <10% aromatics, ≥90% saturates	≥120	5-15	med	16-20	good	-10 to -25	190	med	1.5
Group III+	Group III+ oils are additionally hydroisomerized, or processed in other ways: <1% aromatics	≥140	≤ 5	low	16-20	good-poor	-15 to -30	200	med	2
Group IV PAO	100% catalytically synthesized from olefins derived by thermally cracking wax	135-140	1.8	low	13	poor	-53	270	low	2.5-3
Group V Polyol Ester	100% synthesized by reacting acids and alcohols	140	1.0	high	>20	exc.	-21	260	med	5-10

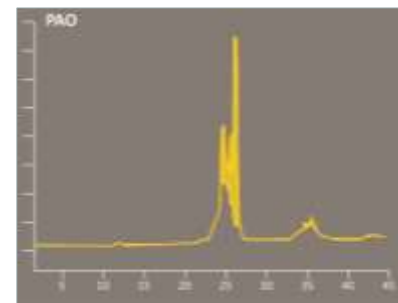
Synthetic

## Base Stock Selection

- No one type excels in all areas
- Different applications require different base stocks
- Multiple base stocks within each type
- **AMSOIL** uses base stock combinations for best properties.



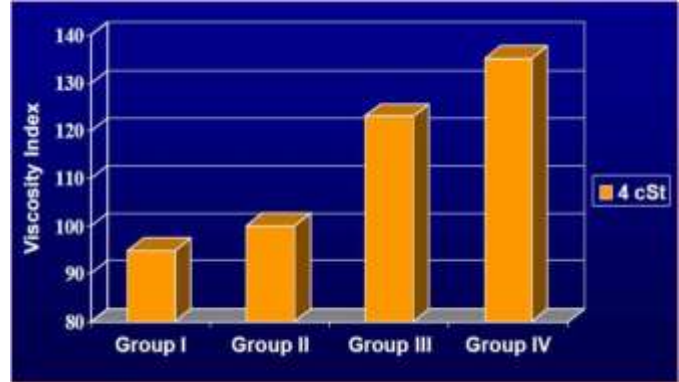
Group II - Mineral Base



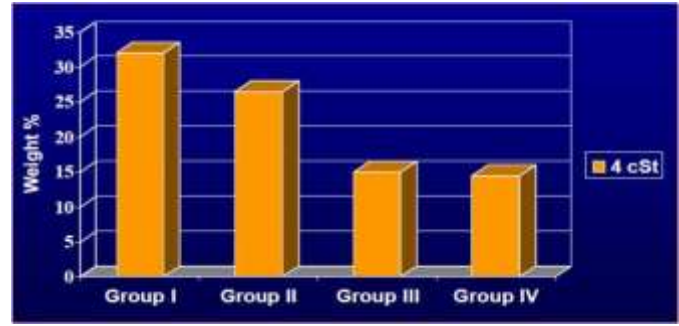
Group IV - PAO Base

Gas Chromatogram – 4 cSt Fluids

## BASE OIL COMPARISON – VISCOSITY INDEX



## BASE OIL COMPARISON – NOACK VOLATILITY



## BASE OIL COMPARISON – FLASH POINT

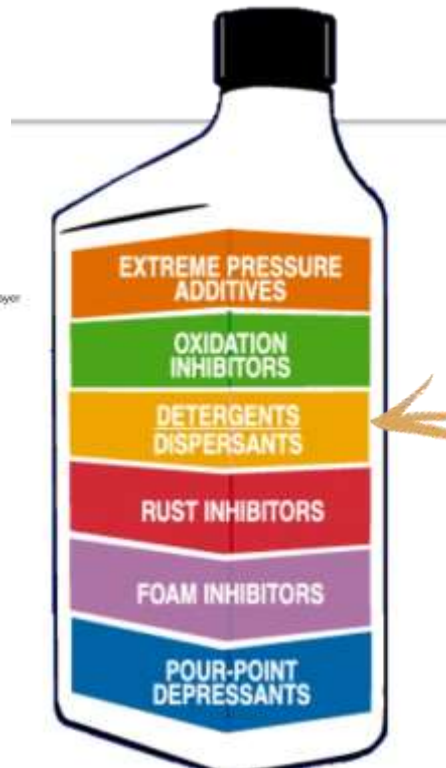
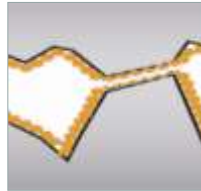
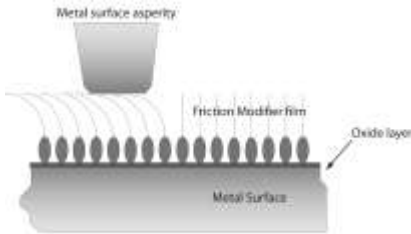
- Group I: 100°C
- Group II: 170°C
- Group III: 190°C
- Group IV: 270°C



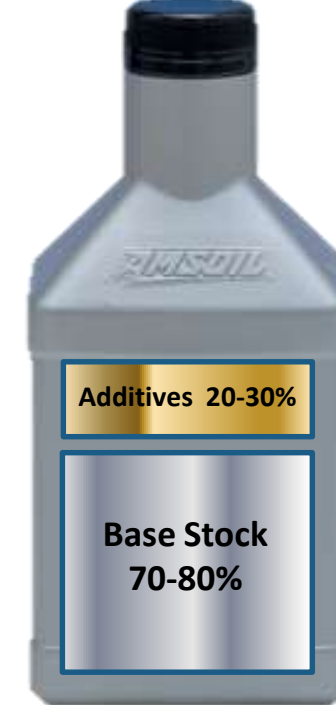
# NOT ALL OILS ARE SAME

## Additives as Percent of Lubricant

- **Viscosity Index Improvers (VIIs)** change size relative to temperature. Less thinning as temperature increases.
- **Friction Modifiers** provide slipperiness
- **Anti-wear Additives** provide a film barrier to prevent excessive wear.
- **Extreme Pressure Additives**
- **Friction and Additives**



EP Gear Oil



PCMO



2T Engine Oil

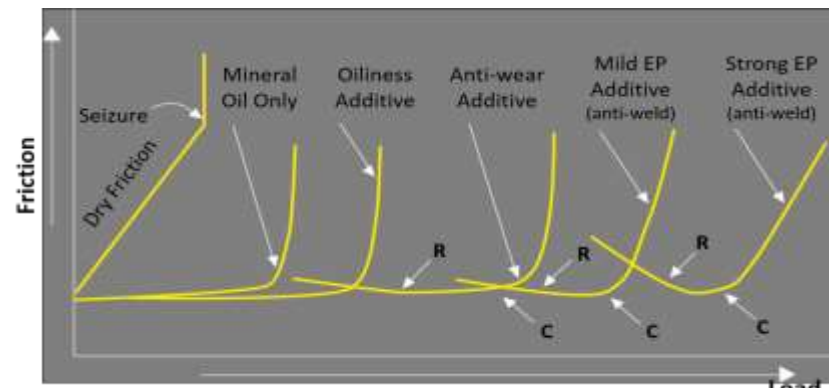
- **Detergents**
- **Seal Conditioners**



- **Dispersants**

Keep engine surfaces free of soot (diesel), sludge and varnish. Carry deposits to filter.

- **Pour Point Depressants**
- **Corrosion Inhibitors**
- **Antifoam Additives**
- **Antioxidants**



## American Petroleum Institute (API) Specifications

- “S” – Service (Spark) Categories – Gasoline engines
  - Backwards compatible

SN > SM > SL > SJ > **SH** > **SG** > **SF** > **SE** ...

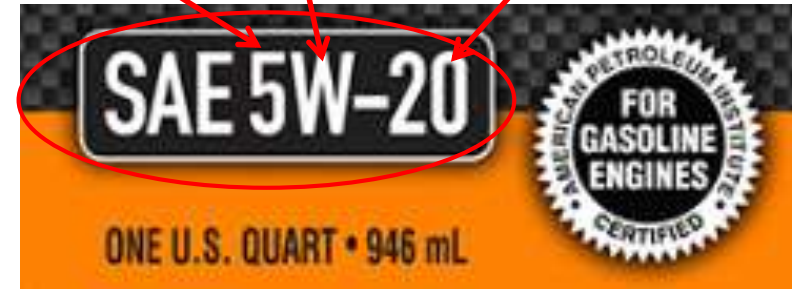
- “C” – Commercial (Compression) Categories – Diesel engines
  - Backwards compatible (4T diesels - except for new FA-4)

CK-4 > CJ-4 > CI-4+ > CI-4 > CH-4 > **CG-4** > **CF** ...

API S and API C specifications - progressively higher performance

## Not All Grades are same.

Viscosity Grade “W” (Winter) (Cold temp)  
Viscosity Grade (Operating temp - 100 C)



## European Automobile Manufacturers Association - ACEA

### Ax/Bx

Gasoline and Light-duty Diesel

Example A3/B4

### Gasoline and Light Duty Diesel

A1/B1, A3/B3, A3/B4, A5/B5

### Heavy Duty Diesel

E4, E6, E7, E9

## NOACK Volatility

- Evaporation loss characteristics
- Percent loss should not exceed 15% (API SN). Typical engine oils fall into the 8-14% range

- **Engineered** to outperform conventional and other synthetic oils.
- **Reduces** friction, heat and wear for maximum power, performance and fuel efficiency.
- **Resists** high-temperature burn-off, chemical breakdown and sludging – keeps engines clean.

**5W-30** (ASL)

API Service SN (Resource Conserving), SM... • ACEA A5/B5, 4... • GM dexos1TM\*, Honda HTO-06

**0W-40** (AZF)

API Service SN, SM... • Chrysler MS-12633, MS-10725, MS-10850; Nissan GT-R®



**Signature Series 5W-30 Synthetic Motor Oil**   **Signature Series 0W-40 Synthetic Motor Oil**

**Signature Series Synthetic Motor Oil**  
**Lasts Till 40,000 kilometers, 700 hours or 1 Year**



- **Outstanding** low-temperature fluidity for fast, dependable winter starts and immediate startup protection.
- **Exceeds** the most demanding worldwide performance standards and meets warranty requirements for all domestic and imported passenger car engines, both turbocharged and non-turbocharged.

\* Based on independent testing of AMSOIL Signature Series 5W-30, in ASTM D7320 as required by API SN specification.

## Features

- 72% better turbocharger protection<sup>1</sup>
- 90% better protection against sludge<sup>2</sup>
- Formulated for up to 40,000 km in U.S.3
- Low oil consumption – Volatility 5.8% for 5W-20
  - (industry standard max 15%)
- Protects Against Engine Wear
- Protects Pistons from Low-Speed Pre-Ignition
- Protects Turbochargers
- Extends Drains: Protection Guaranteed
- Preserves Horsepower
- Limits Oil Consumption
- Easier Cold-Starts
- Maintains Protective Viscosity



- **Engineered** to outperform conventional and other synthetic oils.
- **Reduces** friction, heat and wear for maximum power, performance and fuel efficiency.
- **Resists** high-temperature burn-off, chemical breakdown and sludging – keeps engines clean.



DEVOTED TO PROTECTION™

- **Outstanding** low-temperature fluidity for fast, dependable winter starts and immediate startup protection.
- **Exceeds** the most demanding worldwide performance standards and meets warranty requirements for all domestic and imported passenger car engines, both turbocharged and non-turbocharged.

- 100% protection from LSPI<sup>1</sup>
- 25% more cleaning power<sup>2</sup>
- 64% more protection against oil breakdown<sup>3</sup>
- Increased wear protection
- API SN and ILSAC GF-5 'Resource Conserving' licensed
- 5W-30.  
(Resource conserving < 40-weight viscosity)

**XL 5W-30 Synthetic Motor Oil**  
**Advanced Synthetic Technology Engineered**  
allowing you to go up to 25,000 kms or one year

## 5W-30

API Service SN (Resource Conserving), SM... • ILSAC GF-5, 4... • GM dexos1™

• API SN (Resource Conserving), SM...; GM dexos1 Gen 2 (supersedes LL-A-025, 6094M and 4718M); ACEA A1/B1 A5/B5; Ford WSS-M2C946-A, WSS-M2C929-A, Chrysler MS-6395; Honda HTO-06; ILSAC GF-5, GF-4...; *Fortified with detergents that exceed the dexos1 Gen 2 sulfated ash specification.*

*Fleet managers, business owners and consumers wanting added protection and performance or for severe service.*



Honda Amaze



Honda City



Honda Amaze



Honda Accord



Honda CRV



Honda Brio

- **Engineered** to outperform conventional and other synthetic oils.
- **Reduces** friction, heat and wear for maximum power, performance and fuel efficiency.
- **Resists** high-temperature burn-off, chemical breakdown and sludging – keeps engines clean.



DEVOTED TO PROTECTION™

- **Outstanding** low-temperature fluidity for fast, dependable winter starts and immediate startup protection.
- **Exceeds** the most demanding worldwide performance standards and meets warranty requirements for all domestic and imported passenger car engines, both turbocharged and non-turbocharged.

- 100% protection from LSPI<sup>1</sup>
- 25% more cleaning power<sup>2</sup>
- 64% more protection against oil breakdown<sup>3</sup>
- Increased wear protection
- API SN and ILSAC GF-5 'Resource Conserving' licensed
- 0W-20.  
(Resource conserving < 40-weight viscosity)

## OE Synthetic Motor Oil Advanced Synthetic Technology Engineered

Works Beyond OE drain interval



**SAE 0W-20 OE  
Synthetic Motor Oil**

**0W-20**

(OEZ)

API Service SN (Resource Conserving), SM... • ILSAC GF-5, 4... • GM dexos1™

API SN (Resource Conserving), SM...; GM dexos1 Gen 2 (supersedes 6094M); ACEA A1/B1; Chrysler MS-6395; Ford WSSM2C947-A; ILSAC GF-5, GF-4... *Fortified with detergents that exceed the dexos1 Gen 2 sulfated ash specification*

*Fleet managers, business owners and consumers wanting added protection and performance or for severe service.*



Honda Amaze



Honda City



Honda Amaze



Honda Accord



Honda CRV



Honda Brio



- **Engineered** to outperform conventional and other synthetic oils.
- **Reduces** friction, heat and wear for maximum power, performance and fuel efficiency.
- **Resists** high-temperature burn-off, chemical breakdown and sludging – keeps engines clean.



DEVOTED TO PROTECTION.™

- **Outstanding** low-temperature fluidity for fast, dependable winter starts and immediate startup protection.
- **Exceeds** the most demanding worldwide performance standards and meets warranty requirements for all domestic and imported passenger car engines, both turbocharged and non-turbocharged.

## European Car Formula Synthetic Motor Oil

AMSOIL European Car Formula 5W-40 Synthetic Motor Oil (EFM) is engineered for use in gasoline or diesel vehicles that require any of the following specifications:

- API SN, SM...
- ACEA A3/B3, A3/B4
- BMW LL-01
- GM LL-B-025
- Renault 0700, 0710
- **Manufacturer Approvals:** Volkswagen 502.00, 505.00, MB-Approval 229.5; Porsche A40

**Outstanding All-Season Performance**  
**Engineered for Maximum Fuel Economy**  
**Enhanced Turbocharger Protection**  
**Low- Mid- and Full-SAPS Formulations**



**European Car Formula 5W-40**  
**Classic ESP Synthetic Motor Oil**



Mercedes AMG



Mercedes Benz  
B Class



Mercedes Benz  
G Class



Mercedes Benz  
A Class



Mercedes Benz  
C Class



Suzuki Grand Vitara



Mercedes Benz  
E Class



Volkswagen  
Polo

**5W-40 (EFM) FULL-SAPS**

**Recommended For: BMW Longlife-04**

• **MB-Approval 229.51** • **Porsche A40**  
ACEA A3/B3, A3/B4 • API SN/SM... • BMW LL-01 • MB 229.3/229.5 • Porsche A40 • Renault 0710, 0700 • VW 502.00/505.00



- New API CK-4 Specification
- 5W-40

**Recommended For Upto Three Times The Original  
Equipment Manufacturer's Drain Interval**

**Guaranteed for 4X – 6X drain intervals  
suggested by OEM's**

## Features

- Maximum Engine Protection
- Viscosity Control
- Excels in Extreme Temperatures
- Minimizes Oil Consumption
- Three times (3X) OEM<sup>1</sup> recommendation change interval

## Approvals

- API CK-4/SN, CJ-4, CI-4+, CF
- Volvo VDS4.5, VDS4, VDS3
- Mack EOS-4.5, EO-O
- Renault RLD-4, RLD-3
- Cummins CES20086, CES20081
- Caterpillar ECF-2, ECF-3, ECF-1-a
- DDC 93K218, 93K215, 93K214
- DFS 93K222
- ACEA E9, E7
- MB 228.31
- MAN 3575
- MTU Type 2.1, II, I
- JASO DH-2
- Allison TES439
- Deutz DQC III-10LA
- Scania LA-2
- Chrysler MS 10902
- Ford WSS-M2C171-F1



DEO

Three times (3X)  
OEM<sup>1</sup> recommendation, not to exceed  
60,000 miles/600 hours or one year,  
whichever comes first.

- **Engineered** to outperform conventional and other synthetic oils.
- **Reduces** friction, heat and wear for maximum power, performance and fuel efficiency.
- **Resists** high-temperature burn-off, chemical breakdown and sludging – keeps engines clean.

## Approvals

- API CK-4, CJ-4, CI-4+, CF
- Volvo VDS4.5, VDS4, VDS3
- Mack EOS-4.5, EO-O
- Renault RLD-4, RLD-3
- Cummins CES20086, CES20081
- Caterpillar ECF-2, ECF-3, ECF-1-a
- DDC 93K218, 93K215, 93K214
- DFS 93K222
- ACEA E9, E7
- MB 228.31
- MAN 3575
- MTU Type 2.1, II, I
- JASO DH-2
- Deutz DQC III-10LA
- Chrysler MS 10902
- Ford WSS-M2C171-F1



DEVOTED TO PROTECTION™

## Heavy Duty Synthetic Diesel Oil



## 5W-40 Heavy-Duty Synthetic Diesel Oil

- **Outstanding** low-temperature fluidity for fast, dependable winter starts and immediate startup protection.
- **Exceeds** the most demanding worldwide performance standards and meets warranty requirements for all domestic and imported passenger car engines, both turbocharged and non-turbocharged.



Maruti SX- 4  
Diesel



Maruti Ertiga  
Diesel



Maruti Ritz  
Diesel



Mahindra  
XUV 500



Mahindra Xylo



Mahindra  
Scorpio



Ford  
Eco Sport



Fiat Punto



Tata Safari



Chevrolet Cruze

**5W-40** (EFM) — FULL-SAPS

Use in vehicles that require API CK-4/SN, CJ-4... · ACEA E9, E7 · Mack EOS-4.5, EO-O · Detroit Diesel DFS 93K222, DDC 93K218, 93K215, 93K214 · Caterpillar ECF-3, ECF-2, ECF-1-a · Cummins CES20086, CES20081 · Volvo VDS-4.5, VDS-4, VDS-3 · MB 228.31 · MTU Type 2.1, II, I · MAN 3575 · JASO DH-2 · Renault RLD-4, RLD-3 · Deutz DQC III-10 LA · Allison TES-439 · Scania LA-2 · Chrysler MS 10902 · Ford WSS-M2C171-F1



- **Engineered** to outperform conventional and other synthetic oils.
- **Reduces** friction, heat and wear for maximum power, performance and fuel efficiency.
- **Resists** high-temperature burn-off, chemical breakdown and sludging – keeps engines clean.

Recommended for use up to **twice the motorcycle manufacturer change interval** (miles/hours) or one year, whichever comes first



DEVOTED TO PROTECTION™

- **Outstanding** low-temperature fluidity for fast, dependable winter starts and immediate startup protection.
- **Exceeds** the most demanding worldwide performance standards and meets warranty requirements for all domestic and imported passenger car engines, both turbocharged and non-turbocharged.

## Synthetic Motorcycle Oil

### Superior Synthetic Formulation

### Superior Shear Stability



**MCV 15W-60**

**20W-50 Synthetic Motorcycle Oil (MCV)**

Use in motorcycles that require 20W-50 motorcycle oil and any of the specifications listed below, including those made by **Harley-Davidson\***, **Buell\***, **Ducati\***, **Aprilia\***, **BMW\*** and **Triumph\***.



Bajaj Avenger 220



Bajaj Pulsar 220



Bajaj Dominar 440



Yamaha R15



Yamaha Fazer 250



Triumph Bonneville T120



Triumph Street Scrambler



KTM RC200



KTM Duke 200



RE Thunderbird 350/500



RE Classic 350



RE Himalayan



RE Classic Desert Storm



Harley Davidson Street 750



Harley Davidson Street Rod



Harley Davidson Iron 883

## 20W-50 (MCV)

Use in vehicles that require API CK-4/SN, CJ-4...  
• API Service SG, SL/CF, CG4 \* JASO MA/MA2(motorcycle wet clutch)\* ISOL\* EMA2



- **Engineered** to outperform conventional and other synthetic oils.
- **Reduces** friction, heat and wear for maximum power, performance and fuel efficiency.
- **Resists** high-temperature burn-off, chemical breakdown and sludging – keeps engines clean.

## Adventure Bikes:

BMW

Ducati

Royal Enfield

KTM

Triumph

**Precision-engineered** for enthusiasts seeking immediate engine response for maximum acceleration and control. Designed to keep hot-running, high-rpm engines cool, clean and protected. Meets or exceeds the highest industry performance specifications for premium reliability and peace of mind.

- Fights extreme heat • Wet-clutch compatible
- Protects against rust & corrosion
- Designed to prevent foam in high-rpm engines

Use in motorcycles that require 15W-50 motorcycle oil, including those made by Ducati\*, BMW\*, KTM\*, Yamaha\*, Triumph\* and Royal Enfield\*. Not recommended where API GL-4 or GL-5 gear oil is required.

**API SM • JASO MA/MA2**

\* All trademarked names are the property of their respective owners and may be registered marks in some countries. No affiliation or endorsement claim, express

## SAE 15W-50



DEVOTED TO PROTECTION.™

## Synthetic Motorcycle Oil



**15W-50 Synthetic Motorcycle Oil (MCV)**

- **Outstanding** low-temperature fluidity for fast, dependable winter starts and immediate startup protection.
- **Exceeds** the most demanding worldwide performance standards and meets warranty requirements for all domestic and imported passenger car engines, both turbocharged and non-turbocharged.

## Superior Synthetic Formulation

## Superior Shear Stability



RE Thunderbird  
350/500



RE Classic 350



RE Himalayan



RE Classic  
Desert Storm



Harley Davidson Street  
750



Harley Davidson Street  
Rod



Harley Davidson Iron  
883



KTM RC200



KTM Duke 200

- **Engineered** to outperform conventional and other synthetic oils.
- **Reduces** friction, heat and wear for maximum power, performance and fuel efficiency.
- **Resists** high-temperature burn-off, chemical breakdown and sludging – keeps engines clean.



- **Outstanding** low-temperature fluidity for fast, dependable winter starts and immediate startup protection.
- **Exceeds** the most demanding worldwide performance standards and meets warranty requirements for all domestic and imported passenger car engines, both turbocharged and non-turbocharged.

## Synthetic Motorcycle Oil

Recommended for use up to **twice the motorcycle manufacturer change interval** (miles/hours) or one year, whichever comes first

**Superior Synthetic Formulation**  
**Superior Shear Stability**  
**Perfect "0" Wear Rating In FZG Test**

**AMSOIL 10W-40 Synthetic Metric Motorcycle Oil** in Can-Am\*, Honda, Kawasaki, Yamaha, Suzuki, BMW\*, Triumph\*

**10W40 Metric Synthetic Motorcycle oil (MCF)**

**Reduces Friction, Heat and Wear**  
**Smooth, Confident Shifts**  
**Controls Foam**

**Confident clutch feel**  
**Maximum power & acceleration**  
**Next-level wear protection**  
**Delivers Superior Rust and Corrosion protection**



**10W-40 (MCF)**

**API Service SG, SL/CF\* JASO MA/MA2 (motorcycle wet clutch)\*ISO-L-EMA2**



- **Engineered** to outperform conventional and other synthetic oils.
- **Reduces** friction, heat and wear for maximum power, performance and fuel efficiency.
- **Resists** high-temperature burn-off, chemical breakdown and sludging – keeps engines clean.



- **Outstanding** low-temperature fluidity for fast, dependable winter starts and immediate startup protection.
- **Exceeds** the most demanding worldwide performance standards and meets warranty requirements for all domestic and imported passenger car engines, both turbocharged and non-turbocharged.

## Synthetic Motorcycle Oil

Superior Synthetic Formulation  
Specially Designed For of Air Cooled Engines  
Superior Shear Stability

Reduces Friction, Heat and Wear  
Smooth, Confident Shifts  
Controls Foam

Confident clutch feel

Maximum power & acceleration

Next-level wear protection

Delivers Superior Rust and Corrosion protection

10W40 4T Performance  
Synthetic Motorcycle oil



10W-40 (MC4)

API Service SG, SL/CF\* JASO MA/MA2  
(motorcycle wet clutch)\*ISO-L-EMA2



## ENGINE AND TRANSMISSION FLUSH

Cleans sludge and deposits  
Restores oil flow  
Restores heat transfer  
Loosen sticky valves and rings  
Quiets lifter noise



## DCT – Dual Clutch Transmission

Dry or wet clutch  
Lubricant needs similar to MT with added clutch requirements (wet-clutch)  
Dual Shift Gearbox (DSG) VW



## SYNTHETIC BRAKE FLUID

### DOT 3 and DOT 4 Synthetic Brake Fluid - BFLV

ABS, Traction Control, DOT 3, 4, 5.1

High boiling point – (brake fade)

Stop-and-go traffic

Descending mountains

Glycol – hygroscopic (absorbs water)

### DOMINATOR DOT 4 Synthetic Racing ... BFR

Racing applications

410 F (wet), 580 F (dry) boiling points



## Shock Therapy

Conditions seals  
High viscosity index  
Reduced foaming  
Consistent dampening (Fork Oil)



## Formula 4-Stroke 10W-40 Scooter Oil

Approvals:

Honda\*, Kawasaki\*, Suzuki\*,  
Yamaha\*, Vespa\*, Aprilia\*, Piaggio\*,  
Benelli\*, Vento\*, Kymco\*, Tank\* and  
TGB\*.



## Diesel All-In-One

Cleans, Lubricates,  
Maximizes Power,  
Lowers CFPP  
Diesel Injector Clean  
Diesel Cetane Boost  
Diesel Cold Flow



## Diesel Cetane Boost

Ignition delay, 50+ is best  
N.A. Diesel 40 – 45  
Increases cetane up to 7 points  
Delivers maximum horsepower  
Improved starting  
Less smoke and emissions  
Smooth idle



## Diesel Injector Clean

Cleans dirty injectors  
Improves fuel economy to 8.0 %  
Restores power and torque  
Reduces smoke and emissions  
Lubricates pumps and injectors  
Reduces downtime / maintenance  
*Heavy- and light-duty, on- and off-road and marine. Ultra-low-sulfur diesel fuel (ULSD), high-sulfur diesel and biodiesel.*



## P.i. Performance Improver

Excellent deposit clean-up  
Restore fuel economy and performance  
Surging, hesitation, rough idle  
Reduced higher octane need  
DI or port-injected  
Use every 6500 kms



## EXTREME POWER 0W-40

*Ultimate oil for European cars requiring:*  
ACEA A3/B3, A3/B4 • BMW LL-01 • Mercedes-Benz 229.1, 229.3, 229.5 • Porsche A40 • Renault 0710, 0700  
Volkswagen 502.00, 505.00



## DOMINATOR® Racing Oil

Proprietary friction modifier  
Max HP and torque  
Highest levels ZDDP  
Highest film-strength  
Resists extreme heat



## Coolant

50/50 premixed  
Ethylene Glycol  
Organic Acid Tech (OAT)  
Virtually eliminates scaling  
Engineered to exceed  
OEM requirements



## Power Steering Fluid

High viscosity index  
High and low temps  
Strong anti-wear  
Reduced friction  
Long component life  
Quieter operation



## Heavy Duty MP



- Contains additives that specifically protect against corrosion
- Leaves a dry, long-lasting (up to several years), wax-like amber film



## Silicone Spray

Lubricates and Protects  
Non-metallic surfaces  
Where greases and oils are  
not desired  
Conditions rubber  
Test leather for color change



## Chain Lube

Excellent protection  
Fast drying  
Clings to chain  
Does not attract dirt  
X, Z & O roller chains  
Spray in any position



## Miracle Wash

Dry wash and wax  
Spray and wipe  
Excellent shine  
Tough finish  
Repels dirt  
UV protection





# WELCOME TO THE WORLD OF



*The First in Synthetics®*



LUBRICANTS.  
TECHNOLOGY.  
PEOPLE.



▪ VW Supplier Award



▪ John Deere Achieving Excellence



▪ Daimler Supplier Award



▪ Jungheinrich Supplier Award



Guaranteed OEM-Quality  
Awarded by our customers



VOLKSWAGEN  
GLOBAL GROUP  
AWARD

DAIMLER  
SUPPLIER  
AWARD

BOSCH  
PREFERRED  
SUPPLIER

ZF  
SUPPLIER AWARD



161

## The World of Automotive Lubricants.



**TITAN**

Engine oils, Gear oils, ATFs, UTTOs, Automotive Hydraulic oils for "on-road" and "off-road" applications with 4+ wheels as well as marine and stationary applications



**Silkolene®**

Engine oils, Gear oils, Fork oils and Care products for 2-and 3-wheel applications like motorbikes as well as related 4-wheel applications like Quads and ATVs



### Engine Oils for Two-wheelers

Brand Name	Description	Specification	Approvals	FUCHS Recommendation
<b>SILKOLENE MAX SAE 10W-30</b>	High Performance Engine Oil for 4 stroke engines to protect engine with advanced additive chemistry from start to full power	API SL	JASO MA2	-
<b>SILKOLENE MAX SAE 20W-40</b>	High Performance Engine Oil for 4 stroke engines to protect engine with advanced additive chemistry from start to full power	API SL	JASO MA2	-





**Silkolene®**



## Engine Oils for Passenger Cars and Commercial Vehicles



Brand Name	Description	Specification	Approvals	FUCHS Recommendation
<b>TITAN TRUCK PLUS</b> SAE 15W-40	Super High Performance Engine Oil for a variety of diesel and gasoline engines. Especially for highly-loaded commercial vehicle diesel engines. Lowers oil consumption	ACEA E7 API CI-4/SL GLOBAL DHD-1 CAT ECF-1-a/ECF-2	CUMMINS CES 20076/7/8 DETROIT DIESEL 93K215 DEUTZ DQC III-10 MACK EO-N MAN M 3275-1 MB-APPROVAL 228.3 MTU DDC TYPE 2 RENAULT RLD/RLD-2 VOLVO VDS-3	ALLISON C-4 CAT TO-2 CASE MS 1121 CUMMINS CES 20071/2 IVECO 18-1804 CLASSE T2 E7 NH 330H
<b>TITAN TRUCK</b> SAE 15W-40	Super High Performance Engine Oil for a variety of diesel engines. Especially for highly-loaded commercial vehicle diesel engines. Lowers oil consumption	ACEA E7 API CH-4/SJ CAT ECF-1-a	DEUTZ DQC II-10 MACK EO-N MAN M 3275-1 MB-APPROVAL 228.3 MTU DDC TYPE 2 RENAULT RLD/RLD-2 VOLVO VDS-3	CUMMINS CES 20076/7
<b>TITAN FORMULA SN</b> SAE 5W-30	High Performance Engine Oil for gasoline cars	API SN / ILSAC GF-5		
<b>TITAN UNIVERSAL CF-4</b> SAE 15W-40	High Performance Engine Oil for commercial vehicles, off-highway equipment and cars	API CF-4 / SG		
<b>TITAN UNIVERSAL CF-4</b> SAE 20W-40	High Performance Engine Oil for commercial vehicles, off-highway equipment and cars	API CF-4 / SG		



### Gear Oils for Passenger Cars and Commercial Vehicles

Brand Name	Description	Specification	Approvals	FUCHS Recommendation
<b>TITAN SUPERGEAR</b> SAE 80W-90	High Performance Gear Oil for extended oil change intervals	API GL-4 / GL-5	MAN 342 TYPE M2 ZF TE-ML 05A, 12E, 17B, 19B, 21A (ZF000647)	MIL-L-2105 D VOLVO 97310 NH 520A STEYR B-101
<b>TITAN GEAR GL-4</b> SAE 90	High Performance Gear Oil for synchronized and non-synchronized manual gearboxes as well as auxiliary drives, axles and differentials in commercial vehicles and passenger cars	API GL-4		
<b>TITAN GEAR GL-4</b> SAE 140	High Performance Gear Oil for synchronized and non-synchronized manual gearboxes as well as auxiliary drives, axles and differentials in commercial vehicles and passenger cars	API GL-4		

**TITAN**