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MOTORSPORT

300V Motorsport Range

In racing conditions, the goal is to maximize performances for a given engine, a specific race. With 6 viscosity grades line-up, the 300V range, provides a precise solution to cope with any race condition for the best targeted results (type of race and distance, engine fuel dilution, temperature...). Grade 0W20 for race engine designed for low viscosity oil.

Competition 75W140
Specially formulated for gearboxes and limited-slip differential of racing cars. Excellent stability at high temperatures. MOTUL exclusive technology approved in extreme endurance racing conditions: 24H du Mans, Japanese GT Championship, on HEWLAND and X-TRAC gearboxes.
API GL-5

GEAR 300 75W90
For gearboxes, differential of high performances and racing cars.
0% Shear loss. Improved efficiency.
API GL-5, MIL-L-2105D

RBF 660 FACTORY LINE
100% synthetic fluid for hydraulic brakes and clutches issued of several years research in Motul Research and Development laboratory.
Dry boiling point: 325°C / 617°F
Standards: FMVSS 116 DOT 4, SAE J 1703

RBF 600 FACTORY LINE
Dry boiling point: 312°C / 593°F

MoCOOL
Engines run cooler by 15°C (30°F), Improves thermal exchange and engine cooling system efficiency.

MOTUL
119, Bd Félix Faure
93300 AUBERVILLIERS - FRANCE
Tel. +33 (0) 1 48 11 70 00 - Fax. +33 (0) 1 48 33 28 79
e-mail: info@motul.com

MOTUL fluid force
**ENGINE LUBRICANTS**

100% SYNTHETIC

Exhaust gas after-treatment (catalytic converters + diesel particulate filters) is required on vehicles to meet EURO IV emission regulation. In order to avoid after treatment system break downs, special lubricants with reduced content of Sulphated Ash, Phosphorus and Sulphur (SAPS) must be used.

<table>
<thead>
<tr>
<th>FULL SAPS</th>
<th>MID SAPS</th>
<th>LOW SAPS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>8100 X-max</strong>&lt;br&gt;5W40 - 5W30&lt;br&gt;Specially designed for turbocharged engines with extended drain interval dedicated to Mercedes AMG engines (5W40) and smart engines.&lt;br&gt;Standards/Approvals: refer to chart</td>
<td><strong>8100 X-clean C3</strong>&lt;br&gt;5W40 - 5W30&lt;br&gt;Lubricant specially designed for Diesel Particulate Filters (DPF) and three way catalytic converters. Any car powered by turbo Diesel direct injection or gasoline engines, EURO IV emission regulation compliant, requiring an ACEA C3 engine lubricant, high HTHS viscosity and &quot;Mid SAPS&quot;. Possibility to reach the longest drain interval allowed by the computer on board.&lt;br&gt;Standards/Approvals: refer to chart Recommendations: BMW, Mercedes/Chrysler, Ssangyong, Porsche, Kia/Hyundai, Renault/Nissan, Suzuki, Fiat</td>
<td><strong>8100 Eco-clean+ C1 - 5W30</strong>&lt;br&gt;Lubricant specially designed for cars, powered by turbo Diesel direct injection or gasoline engines. EURO IV emission regulation compliant, requiring an ACEA C1 engine lubricant, high HTHS viscosity and &quot;Low SAPS&quot;. Compatible with Diesel Particulate Filters (DPF).&lt;br&gt;Standards/Approvals: refer to chart Recommendations: Ford, Mazda DPF</td>
</tr>
<tr>
<td><strong>8100 Eco-nergy</strong>&lt;br&gt;5W30&lt;br&gt;Up to 10% less fuel consumption. Optimal protection against engine wear.&lt;br&gt;Standards/Approvals: refer to chart</td>
<td><strong>8100 X-lite</strong>&lt;br&gt;0W30&lt;br&gt;Specifically designed for powerful and recent cars. Outstanding oil film resistance at high temperature.&lt;br&gt;Standards/Approvals: refer to chart</td>
<td><strong>8100 Eco-lite</strong>&lt;br&gt;0W20&lt;br&gt;Fuel Economy Engine lubricant specially designed for cars, powered with gasoline engines, designed to use lubricant with low friction, very low HTHS viscosity and &quot;Mid SAPS&quot;. Compatible with Diesel Particulate Filters (DPF).&lt;br&gt;Standards/Approvals: refer to chart Recommendations: Honda Europe gasoline engines Mazda gasoline engines Subaru SOHC engines</td>
</tr>
</tbody>
</table>

**Full SAPS**
- **8100 X-max**
  - 5W40 - 5W30
  - Specially designed for turbocharged engines with extended drain interval dedicated to Mercedes AMG engines (5W40) and smart engines.
  - Standards/Approvals: refer to chart

**MID SAPS**
- **8100 X-clean C3**
  - 5W40 - 5W30
  - Lubricant specially designed for Diesel Particulate Filters (DPF) and three way catalytic converters. Any car powered by turbo Diesel direct injection or gasoline engines, EURO IV emission regulation compliant, requiring an ACEA C3 engine lubricant, high HTHS viscosity and "Mid SAPS". Possibility to reach the longest drain interval allowed by the computer on board.
  - Standards/Approvals: refer to chart
  - Recommendations: BMW, Mercedes/Chrysler, Ssangyong, Porsche, Kia/Hyundai, Renault/Nissan, Suzuki, Fiat

**Low SAPS**
- **8100 Eco-clean+ C1 - 5W30**
  - Lubricant specially designed for cars, powered by turbo Diesel direct injection or gasoline engines. EURO IV emission regulation compliant, requiring an ACEA C1 engine lubricant, high HTHS viscosity and "Low SAPS". Compatible with Diesel Particulate Filters (DPF).
  - Standards/Approvals: refer to chart
  - Recommendations: Ford, Mazda DPF

**FULL SAPS**
- **8100 Eco-nergy**
  - 5W30
  - Up to 10% less fuel consumption. Optimal protection against engine wear.
  - Standards/Approvals: refer to chart

**MID SAPS**
- **8100 X-lite**
  - 0W30
  - Specifically designed for powerful and recent cars. Outstanding oil film resistance at high temperature.
  - Standards/Approvals: refer to chart

**Low SAPS**
- **8100 Eco-lite**
  - 0W20
  - Fuel economy engine lubricant specially designed for cars, powered with gasoline engines, designed to use lubricant with low friction, very low HTHS viscosity and "Mid SAPS".
  - Standards/Approvals: refer to chart
  - Recommendations: Honda Europe gasoline engines Mazda gasoline engines Subaru SOHC engines
### SPECIFIC LINE

**Manufacturers Specialties:** Manufacturers develop increasingly complex engines while extending the intervals between scheduled maintenance. For some manufacturers’ specific technology, MOTUL has developed a line of lubricants specifically tailored to each type of machine.

<table>
<thead>
<tr>
<th>VOLKSWAGEN / VAG</th>
<th>BMW</th>
<th>MERCEDES</th>
<th>RENAULT</th>
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</thead>
<tbody>
<tr>
<td><strong>Specific 504 00 - 507 00</strong>&lt;sup&gt;DPF&lt;/sup&gt; 5W30</td>
<td><strong>Specific LL-04</strong>&lt;sup&gt;DPF&lt;/sup&gt; 5W40</td>
<td><strong>Specific 229.51</strong>&lt;sup&gt;DPF&lt;/sup&gt; 5W30</td>
<td><strong>Specific 0720</strong>&lt;sup&gt;DPF&lt;/sup&gt; 5W30</td>
</tr>
<tr>
<td>Specifically designed for VAG Group latest recent cars (Volkswagen, Audi, Skoda, Seat) fitted with <strong>EURO IV</strong> engines that require lubricants with low Sulphur, low Phosphorus and low Sulphated Ash rates. Compatible with Diesel Particulate Filters (DPF). Standards/Approvals: refer to chart</td>
<td>Specifically designed for BMW and MINI cars fitted with <strong>EURO IV</strong> engines that require “Mid SAPS” lubricants: low Sulphated Ash, low Phosphorus and low Sulphur. Standards/Approvals: refer to chart</td>
<td>Specifically designed for Mercedes-Benz recent cars fitted with <strong>EURO IV</strong> and <strong>EURO V</strong> engines that require «Mid SAPS» lubricants: low Sulphur, low Phosphorus and low Sulphated Ash. Flexible drain intervals. Standards/Approvals: refer to chart</td>
<td>100% synthetic - high performance lubricant – RENAULT RN0720 approved. Specially designed for <strong>EURO IV</strong> and <strong>EURO V</strong> RENAULT engines. Fuel economy, Remarkable thermal stability and outstanding oxidation resistance. • RN0720 – all Diesel engines with Diesel Particulate Filters (DPF). • ACEA C4. Standards/Approvals: refer to chart</td>
</tr>
<tr>
<td><strong>Specific 505 01 - 502 00 - 505 00</strong> 5W40</td>
<td>100% synthetic lubricant with reduced sulphated ash, phosphorus and sulphur (Mid SAPS). Recommended for all types of VW engines (Gasoline, Diesel &amp; TDI pump injector) with fixed drain interval. Standards/Approvals: refer to chart</td>
<td><strong>Specific 0710 0700</strong> 5W30</td>
<td>100% synthetic - high performance lubricant – especially designed for RENAULT engines (<strong>EURO IV</strong> and <strong>EURO V</strong>), • RN0700 – all naturally-aspirated Gasoline engines, • RNO710 – all turbocharged Gasoline engines, RENAULT SPORT engines and Diesel engines without DPF. Standards/Approvals: refer to chart</td>
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<tr>
<td><strong>Specific 506 01 - 506 00 - 503 00</strong> 0W30</td>
<td>Engine lubricant specifically designed for flexible drain intervals. Standards/Approvals: refer to chart</td>
<td><strong>Specific 0710 0700</strong> 5W40</td>
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</table>
TECHNOSYNTHÈSE®

ENGINE LUBRICANTS

6100

**6100 Synergie+ 10W40**
Technosynthese® lubricant designed for powerful gasoline, diesel, LPG, turbo and injection engines. Longer intervals between oil changes. Reduce oil consumption.

Standards/Approvals: refer to chart

**6100 Synergie 15W50**
Lubricant particularly recommended for the newest and powerful gasoline, diesel, LPG, turbo and injection engines. Reinforced synthetic formula guarantees maximum performance.

Standards/Approvals: refer to chart

4100

**4100 Turbolight 10W40**
**4100 Power 15W50**
MOTUL 4100 - Technosynthese® lubricants are particularly recommended for the recent gasoline, diesel, LPG and turbo engines. They provide optimal protection against engine wear.

Standards/Approvals: refer to chart

MINERAL

4000

**4000 Motion 15W40 - 15W50**
MOTUL 4000 Motion lubricants are designed for gasoline, diesel, LPG and turbo engines. They will satisfy users concerned with long-term preservation of engine output.

Standards:
- ACEA A3/B3 - API SL/CF
- VW 505 00 / MB-Approval 229.1

MOTUL also offers 4000 Motion 10W30 for engines requiring a thinner viscosity.

Standards:
- ACEA A1/B1 - API SL/CF

2000

**2000 Multigrade 15W40 - 20W50**
MOTUL 2000 Multigrade lubricants are formulated for gasoline, diesel, LPG, and turbo engines.

Standards:
- ACEA A2/B2 - API SL/CF

2000 Multidiesel 15W40 is also available for passenger Diesel cars.

CLASSIC OIL

BEFORE 1950

**Classic Oil SAE 50**
Mineral engine oil specially formulated for before 50’s collectors’ cars.

AFTER 1950

**Classic Oil 20W50**
Engine oil specially formulated for after 50’s collectors’ cars.

ALTERNATIVE FUELS

**SPECIFIC CNG/LPG**
100% synthetic lubricant for engine using Compressed Natural Gas (CNG), Liquefied Petroleum Gas (LPG) or dual fuel (Gasoline + Gas).

- Outstanding lubrication properties
- High temperatures resistance.
- Reduced content of sulphated ash, phosphorus and sulphur.
TRANSMISSION LUBRICANTS

AUTOMATIC TRANSMISSIONS / POWER STEERING

**Multi ATF**
Technosynthese® lubricant
DEXRON III H / IID / IIE
MERCON & MERCON V - JASO 1A
ATF +3, +4 - DIAMOND ATF SPIII - PSF 3
ALLISON C4 - VOITH G607
BMW - MB-Approval 236.9 - 236.10 - 236.11 - 236.12
ZF 03D / 04D / 14A

**Dexron IID**
Mineral lubricant
MAN 339D - MB-Approval 236.7
VOITH 55.6335.32 (G607)
ZF TE ML - 03D / 04D / 11A / 14A / 17C
GENERAL MOTOR DEXRON IID
ALLISON C-4 - CATERPILLAR TO-2

**Hypo Synt 75W90**
100% synthetic lubricant
Formulated for BMW rear axle without limited-slip differential or with autolock differential.
API GL-4 and GL-5 - BMW
MIL-L-2105D

**Hypo Synt LS 75W140**
100% synthetic lubricant
Specially formulated for BMW rear axle with limited-slip differential with plates or with EH limited-slip.
API GL-4 and GL-5 - BMW
MIL-L-2105D

**Motylgear 10W40**
Gearboxes lubricants.
API SG / SH, API GL-4

**90 PA**
Mineral extreme pressure lubricant. Specially formulated for limited-slip differentials.
API GL-4 and GL-5
MIL-L-2105D

SPECIALITIES

**GEAR 300 75W90**
100% synthetic lubricant
For gearboxes, differential of high performances and racing cars.
0% Shear loss. Improved efficiency.
API GL-5. MIL-L-2105D

**Motylgear 75W80**
Technosynthese® lubricant
Gearboxes and rear axles. Extreme pressure lubricants.
Smooth shifting.
API GL-4 and GL-5
MIL-L-2105D

**Motylgear 75W90**
Technosynthese® lubricant
Gearboxes and rear axles. Extreme pressure lubricants.
Smooth shifting.
High temperature stability.
API GL-4 and GL-5
MIL-L-2105D

**Gearbox 80W90**
API GL-4 and GL-5 - MIL-L-2105D

**HD 80W90**
Gearboxes and rear axles. Extreme pressure lubricant.
API GL-4 and GL-5 - MIL-L-2105D

**Gear MB 80W**
Gearboxes and rear axles. Extreme pressure lubricant.
API GL-4 - MB-Approval 235.1

**Gear Oil 90**
Lubricant for gearboxes and rear differentials.
API GL-1
## MAINTENANCE

### ANTI FREEZE FLUIDS/COOLANTS

**Inugel Optimal**
- Power and protection (-30°C/-22°F)
- Ready to use coolant. Inugel Optimal’s Organic technology reduces the operating temperature of the engine to maintain full power. Anti-scaling and long-lasting anti-corrosion protection throughout the cooling system.

**Inugel Optimal Ultra**
- Concentrated formula (down to -54°C/-65°F)
- Concentrated antifreeze to dilute with water.

**Inugel Expert**
- Protection (-30°C/-22°F)
- Ready-to-use coolant. The Hybrid technology of Inugel Expert improves heat transfer for optimal engine performance. Protects the entire cooling system against corrosion.

**Inugel Expert Ultra**
- Concentrated formula protection (down to -54°C/-65°F).
- Concentrated antifreeze to dilute with water.

**Inugel Classic**
- Protection (-25°C/-13°F)
- All season, ready-to-use coolant, developed for all types of gasoline and Diesel engine.

### MOTUL CARE SYSTEM

**Engine Clean**
- Cleans and protects the engine
- Engine cleaner to add to engine oil before drain, developed for gasoline, Diesel, LPG, air or turbo charged engines.
- Keeps new oil clean longer and restores engine compression. 300ml.

**Fuel System Clean (Gasoline)**
- Superior engine output
- Cleaner specially designed for the fuel systems of gasoline engines. Reinforced action on valves, carburetors, injectors and combustion chambers. 300ml.

**Diesel System Clean (Diesel)**
- Superior engine output
- Cleaner specially designed for the fuel systems of Diesel engines. Reinforced action on valves, carburetors, injectors and combustion chambers. 300ml.

**Carbu Clean**
- Improves carburation
- Carburettor cleaner formulated to eliminate deposits, varnishes and gums. 400 ml.

**Valve Expert**
- Lead substitute for leaded gasoline engines (cars, motorcycles, boats, mechanized farming equipment).
- Phosphorus formulation ensuring maximum valve seat protection. 250 ml.

**Stabilizer**
- Fuel preservation additive.
- Protect fuel against oxidation.
- Easier starter after wintering. 250 ml.

### CLEAN AND SHINE

**Shine & Go Silicon Clean**
- Brilliance and protection
- Shine & Go shines and enhances plastic surface colours thanks to its exclusive silicone-based formula. It leaves behind a long-lasting protection film. 400 ml.

**Vision Expert Ultra**
- Concentrated
- Concentrated formula to allow dilution adjustment in function of required protection. Exclusive formula, removes dirt, greasy material from the windshield.

**Vision Classic -20°C**
- Ready to use
- Ready to use formula for easier using. Removes windshield fat and dirt. Dries leaving no mark.
- Freezing protection for washer system and tank.

### BRAKE FLUIDS

**Dot 5.1 Brake Fluid**
- Long-lasting 100% synthetic fluid for hydraulic brakes and clutches.
- Recommended for anti-lock brakes systems (ABS).
- Standards/Approvals: refer to chart.

**Dot 4 Brake Fluid**
- 100% synthetic fluid for all types of hydraulic brake and clutch systems.
- Standards/Approvals: refer to chart.

**Dot 3 Brake Fluid**
- 100% synthetic fluid for all types of hydraulic brake and clutch systems.
- Standards/Approvals: refer to chart.

**LHM Plus**
- Hydraulic mineral fluid for brakes, power steering and hydraulic suspension systems, green painted, Citroen since 1966.

### PRESERVATION

**Tyre repair**
- Quick repair
- Repairs and reinflates tire, with or without an inner tube. Latex formulation. 300ml.

**Brake clean contact cleaner**
- Cleaner for metal parts
- Powerful, non chlorinated degreaser for brake disks, clutches, metallic parts, electric contacts and spark plugs. Leaves surfaces clean and dry. 400ml.

**E.Z. lube Multi Protect**
- Multi protection