

A person wearing a racing helmet and suit stands in a pit lane, looking towards the right. A motorcycle is visible in the foreground, and the background shows the structure of a race track under a cloudy sky.

300V

motorSport line

MOTUL



THE PERPETUAL REVOLUTION

THE SYNTHESIS OF THE 100% SYNTHETIC

THE STORY

Very severe mechanical constraints at circuits and on rallies require an engine lubricant ensuring optimal and constant performance.

As a recognised long-standing major motorsport player, Motul benefits from the world's best laboratory to test its lubricants in the most extreme racing conditions.

In 1971, Motul grabbed the limelight when it launched the first 100% synthetic lubricant ever designed for cars: the famous 300V, applying aeronautical technology. Since then, Motul's R&D department has put its research resources towards continuing re-formulation of its 300V products.

This constant evolution allows the 300V range to remain as the motorsport reference point, with two important targets always in mind: increase in power – the main focus in competition – and increased reliability in spite of the 'downsizing' phenomenon.

It was in tribute to the 300 victories obtained by the brand up to that point that this revolutionary lubricant was named "300V". It illustrates not only Motul's technological expertise and culture of innovation but also its ability to implement new technologies with the main car manufacturers. Over time, Motul has built up an impressive track record of many hundreds of victories in all the major motorsport events worldwide.



APPLICATIONS AND PERFORMANCE

300V

All racing Gasoline or Diesel engines, naturally aspirated or turbocharged fitted with injection (direct / indirect) or with carburettor. For race prepared engines operating over a wide range of rpm and temperatures.

Dedicated to racing cars.

TARGET

APPLICATIONS



BENEFITS

- Excellent oil flow into the engine at start-up and fast oil pressure increase while guaranteeing, at hot temperatures, high oil pressure and faster engine revving.
- Maximum oil film resistance at very high temperature: Engine wear is reduced.
- Friction Modifier: Maximum power output, decreased operating temperature.
- Low volatility: Oil consumption is reduced.
- High shear stability: Stable oil pressure whatever operating conditions.

PERFORMANCE

Above existing Motorsport standards. The most advanced **ESTER Core**® Technology allows maximum power output of the engine without compromising reliability and wear.

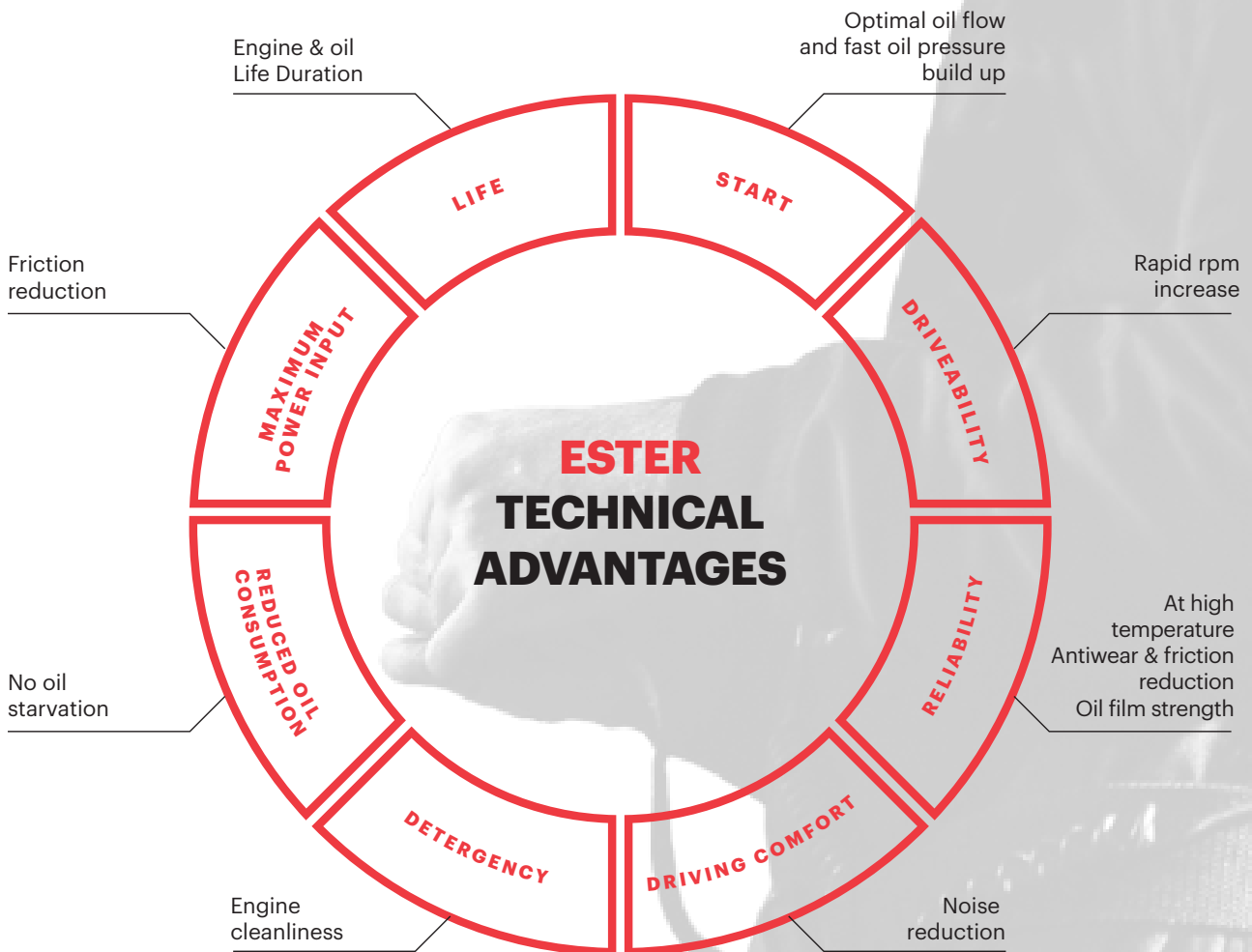
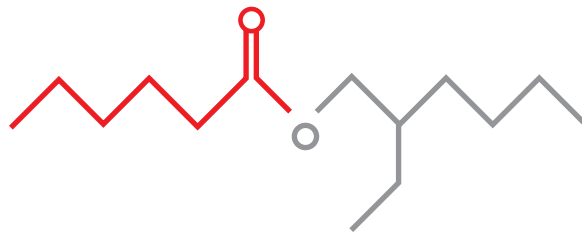
WHAT IS AN ESTER?

Tailor-made base stocks with bespoke physical and chemical properties.

Polar material - Very useful as a lubricant: Will be attracted to a metal surface.

Extremely versatile and tremendous range of different esters.

Renewable and sustainable raw materials.



ESTER Core® TECHNOLOGY

300V

For several decades, Motul has perfectly mastered the technology of esters. Combining this technology with an optimal selection of high performance synthetic base oils, coupled with an innovative additives package, gives exceptional synergy. This is the latest Motul technological evolution: **ESTER Core®**.

Used exclusively in the 300V range, this technology guarantees maximal performance, over and beyond existing standards.

ESTER Core® technology guarantees you more:

POWER

Reduced internal friction.

RELIABILITY

High temperature resistance and oil pressure stability.

PROTECTION

Optimised polarity for maximal adherence of the oil film.

LOW LUBRICANT CONSUMPTION

Exclusive formulation of low volatility synthetic base oils.

BUBBLE TAG™

Thanks to the Bubble Tag™, the seal on each tin can of 300V certifies the authenticity of the formulation. Each unique, traceable, three-dimensional 'bubble code' gives a digital imprint to each tin can.

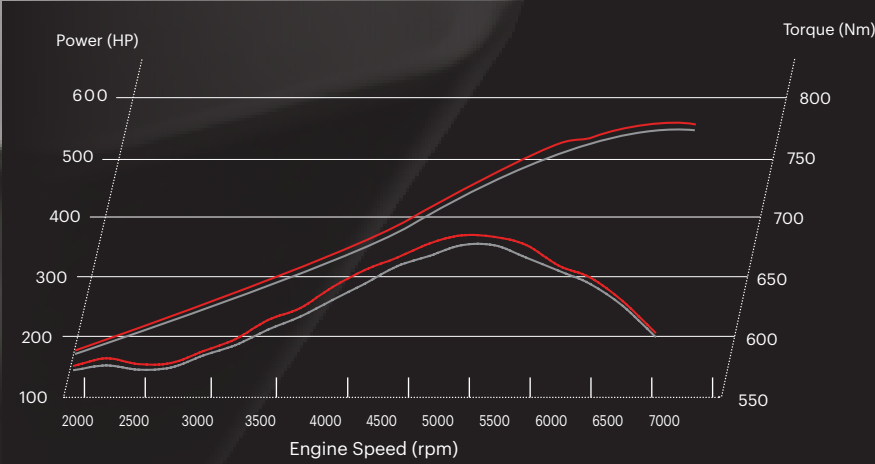
To check the authenticity of your product, flash the QR code on the seal or log on to www.motul.com



300V EFFICIENCY AND SUPERIORITY



300V COMPETITION 15W50: POWER & TORQUE COMPARISON*

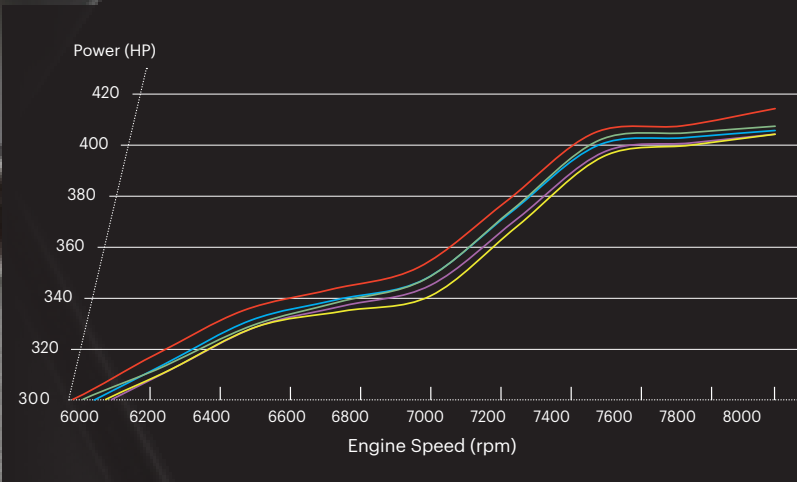


Latest evolution of 300V COMPETITION 15W50

Previous 300V COMPETITION 15W50

Power and torque performances: increased with the latest evolution of 300V based on **ESTER Core**® technology

MAXIMUM ENGINE POWER 300V TROPHY 0W40 VS COMPETITORS*

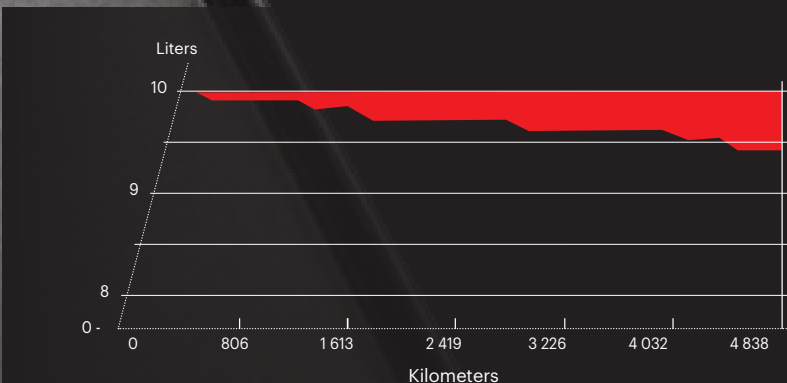


- **300V**
- Competitor A
- Competitor B
- Competitor C
- Competitor D

During the 'dyno test' 300V TROPHY 0W40 showed significant power increase up to 7.2 HP compared to competitors.

300V TROPHY 0W40 – OIL CONSUMPTION FOLLOW-UP*

Le Mans 24 Hours Endurance test



After Le Mans 24 Hours race, oil consumption kept to a minimum: under 0.6L without any top-up

This performance shows the very low volatility of **ESTER Core**® technology

*Test performed on 3.6 Porsche Cup racing engine

PRODUCT RANGE

300V

The **300V** Motorsport Line was developed for the most successful teams, around the **ESTER Core**® technology: the optimal combination of the best performing esters and other synthetic fluids. The result is impressive: unrivalled power increase, optimal protection offering the best conditions to win the race!

These products developed for racing machines are available to end-users. Motul experts can help drivers decide which 300V to use, from 0W15 to 20W60, depending on the engine, the type of race and the driving style.



300V
SPRINT
0W15

300V
HIGH RPM
0W20

300V
TROPHY
0W40

300V
POWER RACING
5W30



PRODUCT RANGE

300V



300V
POWER
5W40



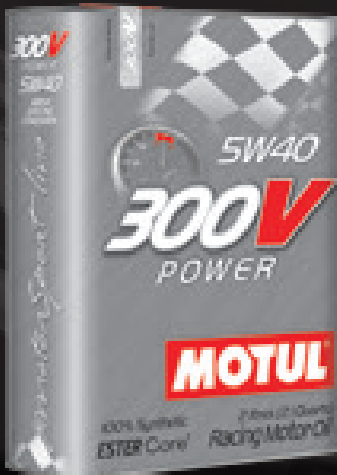
300V
CHRONO
10W40



300V
COMPETITION
15W50

24h
LE MANS

300V
LE MANS
20W60



24h
LE MANS

MOTUL

OFFICIAL
LUBRICANT
PARTNER

300V Motorsport Line

10

Motul

24H ENDURANCE



LE MANS 24 HOURS

300V

After celebrating 60 years of successful involvement, Motul signed a multi-year agreement, beginning in 2016, with the Automobile Club de l'Ouest (ACO) and became the "Official Lubricant Partner" of this iconic race. Moreover, it expands its endurance motorsport involvement by also becoming a partner to the FIA World Endurance Championship, starting in 2016.

At each landmark point in the company's history, such as the launch in 1971 of its first 100% synthetic lubricant 300V, Le Mans and endurance racing have been a major part of the company's technical development strategy.

Le Mans is the perfect opportunity to test the product, combining different variables : high speed, temperature, endurance and performance.

More than 220 cars have carried Motul's colours since 1972, with 17 class victories to its credit – all working towards developing the products of tomorrow for today's customers.

The company's respected 300V Motorsport Line engine oil has been developed specially for competition use. Motul even went further with the launch of the 300V Le Mans 20W60. This Le Mans 24 Hours official licensed product is the result of the privileged relationship that Motul maintains with this mythical race.





"After having carried out extensive tests with various 300V engine oils on our state-of-the-art test rigs, on testing grounds and on the road, we can highly recommend them. Our engines did not show any measurable signs of wear and tear even under extreme loads. These high-quality lubricants are an integral part of our engine concept."

i.V. Dipl.-Ing. Jörn Gander
Head of Technology and Development
BRABUS GmbH

BRABUS

300V Motorsport Line

12

Motul



"I have used Motul 300V exclusively in each of the 6 racecars that have won championships for Turner Motorsport. Not only does it make more horsepower than other oils we have tested but it allows us to push our engines to the limits without damage. I wouldn't use anything else in my racecars or my street cars."

Will Turner
Team Manager
Turner Motorsport

TURNER MOTORSPORT

LARBRE COMPETITION



"Every step of the way Motul 300V Motorsport Line products have always offered excellent and value-added lubrication, namely protection against wear while maintaining performance. Thus, we benefit from a potential additional mileage of 25% over most of the engines we have used in our involvement at the highest levels of motorsport including the FIA WEC. In terms of engine budgets, that means an extra engine per season! Of course, this longevity added to reliability ensures excellent results."

Jack Leconte
Team Manager
Larbre Competition

300V



"We have been working with Motul since the 1990s. We favour them for the premium quality of their products, especially the 300V. Besides their high performance product, the major benefit of working with Motul has been their attention to our needs and their service. Their involvement with our team, technical support and advice has made them a true partner of our team as opposed to just another product supplier or sponsor."

Eberhard Baunach
Owner & Managing Director
Porsche Kremer

"Motul has been a long-time technical partner of TOM's racing team, and is now supporting us in different championships (including Super GT, Super Formula and Japanese F3).



We have tested Motul 300V's performance many times for an actual 10,000km run. After the test, we realised the interior of the engine was still clean. I am confident to say that Motul 300V not only brings up the performance of the car, but it also prolongs the life of its engine."

Mitsuhiko Maeda
Assistant Manager,
Engineering department
Tom's Racing Team

PORSCHE KREMER

TOM'S

CLEARWATER



"It's been our privilege to be technical partners with Motul these past five years. We've used their 300V over a wide variety of GT3 class race cars from Ferrari to McLaren with the same result: Victory! Motul's premium 300V has powered us to many successes. This ingeniously specialist lubricant was also the lifeblood of our Ferrari at the biggest test of endurance in the world: Le Mans 24 Hours"

Arj Pillay Kulasegaram
Managing Director
Clearwater Racing Pte Ltd

RELATED PRODUCTS

300V



GEAR AND DIFFERENTIAL OIL

Gear Competition 75W140
Gear 300 LS 75W90
Gear 300 75W90

Motul has developed 100% synthetic ester based lubricants for gearbox and differential for racing and sport cars. The lubricants operate perfectly in severe conditions to protect and improve any type of Transmission either with or without LSD (Limited Slip Differential).



POWER STEERING

MULTI ATF

100% synthetic automatic transmission fluid for power steering used on racing cars.



COOLANT

INUGEL OPTIMAL ULTRA

Based on organic Acid Technology (oAT), the Inugel optimal Ultra provides an excellent thermal exchange. Improves engine cooling efficiency and prevents from boiling. Concentrated coolant. To be diluted according to freezing protection.



MoCOOL

Improves thermal exchange and engine cooling system efficiency. Anticorrosion properties. Engines run cooler up to 15°C (30°F). To be diluted with distilled water at 5%.



RACING BRAKE FLUID (RBF)

RBF 660: Dry boiling point: 328°C / 622°F

100% synthetic racing brake fluids are designed to resist extreme temperatures. Aerodynamism can lead to brake system overheating. Use of very high dry boiling point brake fluids designed to resist extreme temperatures.

STRIVING FOR PERFORMANCE





Photo credits: Antonin Grenier

MOTUL

**PARIS
HEAD OFFICE**

motul.com

**August
2016**

119 boulevard Félix Faure
93300 AUBERVILLIERS - France

Tel: +33.1.48.11.70.00 (trade only)
Fax: +33.1.48.33.28.79
Contact: info@motul.com

FOLLOW
US ON
motul.com

