



AUTOMOTIVE



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## ENGINE OILS

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The Exol range of automotive products is formulated to give the following benefits:-

- EXCELLENT LUBRICATION OVER A WIDE TEMPERATURE RANGE
- EASE OF COLD START COMBINED WITH RAPID CIRCULATION
- REDUCED WEAR AND OIL CONSUMPTION
- HIGH LEVEL OF ENGINE CLEANLINESS
- LOWER EMISSIONS
- COMPATIBILITY WITH AFTER TREATMENT SYSTEMS
- PROTECTION FROM COMBUSTION CONTAMINANTS

## PREMIUM LOW SAPS FULLY SYNTHETIC GRADES

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### OPTIMA LSV 5W-30

Optima LSV 5W-30 is a fully synthetic 5W-30 low SAPS multigrade oil primarily designed for use in Audi and VW passenger cars essentially where a VW 504.00 or VW 507.00 oil is called for.

Optima LSV 5W-30 is backwards compatible with certain other VW specifications and you are encouraged to call our technical help line for advice on this issue. Optima LSV 5W-30 is also ideally suited for use in Mercedes and BMW cars and many other vehicles where the following specifications are required.

**Approved by Volkswagen.**

ACEA C3, VW 504.00/507.00, MB 229.51, BMW LL-04, PORSCHE C30

### OPTIMA LS 5W-30

A highly versatile low SAPS engine oil suitable for use in a wide variety of modern petrol and light duty diesel engines.

Recommended for use in Audi, VW, Mercedes-Benz, BMW, Toyota, Nissan where the following specifications are required.

ACEA C2,C3, A3/B4-04, VW 504.00/507.00, MB 229.51, BMW LL-04, PORSCHE C30, JASO DL-1

### OPTIMA LSM 5W-30

This is a fully synthetic long life low SAPS oil meeting BMW Longlife and Mercedes Benz specifications. The revolutionary additive system prolongs the life of today's complex after treatment systems and helps reduce harmful emissions to the environment.

ACEA C3, A3/B4-04, API SM, BMW LL-04, MB 229.31

### OPTIMA LSG 5W-30

Optima LSG 5W-30 is a fully synthetic SAE 5W-30 low SAPS multigrade oil primarily designed for use in Vauxhall cars and vans but also suitable for use in a wide range of other petrol and light duty diesel engines. Low levels of sulphated ash, phosphorus and sulphur make Optima LSG 5W-30 compatible with diesel particulate filters.

ACEA C3, A3/B4-04, API SN/CF, GM dexos 2, MB 229.51, BMW LL-04, VW 502.00/505.00

### OPTIMA LSZ 5W-30

A new generation low SAPS engine oil offering significant fuel saving benefits. Provides very high levels of engine cleanliness combined with shear stable additive technology. Developed particularly for Mazda vehicles but also suitable for use in certain Jaguars and Land Rovers and where any of the following specifications are required. **Approved by Ford Motor Company.**

ACEA C1, FORD M2C934-B

### OPTIMA LSP 5W-30

A fuel saving low SAPS engine oil designed to cater for a large number of cars and vans on the road today. Can be used in both petrol and light duty diesel engines and is compatible with after treatment systems such as diesel particulate filters and catalytic converters. An ideal choice for use in Peugeot, Citroen, Renault, Honda and Nissan vehicles as well as those requiring the following specifications.

ACEA C2, A5/B5-04, API SN/CF, PSA B71 2290, RENAULT RN0700

### OPTIMA LSR 5W-30

A highly specialised low SAPS engine oil designed specifically for modern Renault vehicles. Optima LSR 5W-30 is also backwards compatible to older Renault models.

ACEA C4, RENAULT RN0720

### OPTIMA LSX 5W-40

A highly advanced long life engine oil with multiple applications. Ideally suited for use in VW PD engines as well as Vauxhall engines requiring the dexos 2 specification. An optimised viscosity grade combining maximum protection with low temperature fluidity.

**Approved by Ford Motor Company.**

ACEA C3, A3/B4-04, API SN/CF, MB 229.51, BMW LL-04, VW 502.00/505.00/505.01, GM dexos 2, FORD M2C917-A, RENAULT RN0700/0710, PORSCHE A40

### OPTIMA LSH 0W-30

A new low SAPS engine oil combining maximum fuel economy savings with outstanding engine protection and after treatment compatibility. Formulated with the requirements of Hondas and Toyotas in mind, Optima LSH 0W-30 is suitable for use in both modern diesel and petrol engines.

ACEA C2, API SM/CF

## FULLY SYNTHETIC GRADES

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### OPTIMA VIMAX FD 5W-30

A fully synthetic, fuel efficient multigrade engine oil meeting the latest Ford specification. The carefully selected components produce a highly robust, stay-in-grade product with outstanding soot handling properties and extended drain interval capabilities.

**Approved by Ford Motor Company.**

ACEA A5/B5, API SL/CF, FORD M2C913-C, RENAULT RN0700



# EXOL'S COMPREHENSIVE RANGE OF AUTOMOTIVE LUBRICANTS IS SPECIFICALLY DESIGNED TO MEET CUSTOMER REQUIREMENTS.

## OPTIMA VIMAX ECO 5W-20

A fully synthetic engine oil capable of providing significant fuel economy benefits. Recommended for use in Ford EcoBoost engines. This low viscosity SAE 5W-20 lubricant combines fuel savings and easy cold weather start up with outstanding engine protection and resistance to thermal degradation. **Approved by Ford Motor Company.**

ACEA A1/B1, FORD M2C925-B

## OPTIMA VIMAX SZT 5W-30

A fully synthetic, fuel efficient engine oil meeting the requirements of the Ford M2C913-B specification. It is a balanced blend of synthetic base oils and high performance additive technology which provides an ideal choice for a wide variety of vehicles.

ACEA A1/B1, API SL/CF, FORD M2C913-B, BMW LL-FE-01, ILSAC GF-2, Opel

## OPTIMA VIMAX LL 5W-30

Optima Vimax LL 5W-30 is a high performance, fully synthetic multigrade engine oil formulated to meet the long life requirements demanded by GM and Opel. This grade sets new standards with regard to engine cleanliness, reducing harmful emissions and thus damage to the environment. Optima Vimax LL 5W-30 offers high levels of fuel economy and provides unrivalled protection for modern petrol and diesel engines.

ACEA A3/B4, A5/B5, API SM/CF, GM LL-A-025, LL-B-025, VW 502.00/505.00, MB 229.5, BMW LL-01

## OPTIMA VIMAX 5W-40

A fully synthetic highly advanced engine oil formulated to cope with the extreme lubrication demands of high performance, high speed petrol and diesel engines. Optima Vimax 5W-40 meets the lubrication requirements of many passenger cars and vans found on the road today.

ACEA A3,B3,B4, API SL/CF, VW 502.00/505.00, MB 229.3, BMW LL-98, GM LL-B-025, PORSCHE A40, RENAULT RN0700/0710

## OPTIMA VIMAX 0W-30

A fully synthetic top tier passenger car motor oil designed to meet the exacting demands of today's modern petrol and diesel car engines. Suitable for high performance turbocharged and supercharged petrol and diesel multi-valve engines found in passenger cars and light vans.

ACEA A3,B3,B4, API SL/CF, VW 502.00/503.01/505.00, MB 229.1, 229.3, BMW LL-98

## SEMI SYNTHETIC GRADES

### OPTIMA VIMAX 10W-40

A semi synthetic fuel efficient multi-grade engine oil for use in a broad range of passenger cars and vans. It incorporates high quality synthetic and mineral base stocks combined with advanced polymer and inhibitor technology to create a highly durable, stay-in-grade modern engine oil.

ACEA A3,B3,B4, API SL/CF, VW 502.00/505.00, MB 229.1

### OPTIMA VIMAX ZT 5W-30

High technology semi-synthetic engine oil formulated from severely refined base oil combined with a high level of synthetic components to give outstanding performance under the most arduous conditions. Optima Vimax ZT 5W-30 provides the vast majority of the advantages of a fully synthetic lubricant. This product is recommended for use in Ford Zetec engines and provides significant reductions in fuel consumption.

ACEA A1/B1, API SL/CF, FORD M2C913-B, BMW LL-FE-01, ILSAC GF-2, Opel

## PREMIUM MINERAL GRADES

### VANGUARD RALLY

A highly versatile, advanced engine oil suitable for use in naturally aspirated and turbocharged petrol and diesel engines fitted to passenger cars, light commercial and heavy haulage vehicles making it ideal for mixed fleet operations. Available in a wide range of viscosity grades including shear stable multigrades and highly robust monogrades of outstanding performance.

VISCOSITY GRADES SAE 10W-30,10W-40,15W-40,20W-50, SAE 10W, 20W, 30, 40, 50, ACEA A3,B3,B4,E2, API SL/CH-4, MB 228.1, 229.1, MAN 271, VOLVO VDS, VW 505.00, MACK EO-L, MTU TYPE 1

### ENDURANCE 15W-40

Endurance 15W-40 has been designed to meet the specification requirements of a multitude of turbocharged and naturally aspirated diesel and petrol engines and is recommended for use in transport fleets, public service vehicles, plant equipment, light to heavy duty commercial vehicles and passenger cars.

ACEA A3,B2,B3,E2, API CG-4/SJ, VW 501.00/505.00, MB 228.1, 229.1, MACK EO-M, MAN 271, MTU TYPE 1, VOLVO VDS

## TWO STROKE OILS

### OPTIMA RACING TWO STROKE OIL (SYNTHETIC)

JASO FD, ISO-EGD, API TC

### SUPER TWO STROKE (SEMI-SYNTHETIC)

JASO FD, ISO-EGD, API TC

### TWO STROKE OIL

API TC, ISO-EGB, JASO FB

## TRANSMISSION OILS

### ATHENA SYNGEAR 75W-90 (FULLY SYNTHETIC)

A fully synthetic heavy duty transmission oil designed for use in modern manual gearboxes and final drives fitted to many of today's passenger cars and vans. Based on high quality synthetic hydrocarbons ensuring maximum performance at both high and low temperatures.

API GL-5, MIL-L-2105D, ZF TE-ML 07A,08

### SYNGEAR SS 75W-90 (SEMI SYNTHETIC)

A high performance multigrade hypoid gear lubricant whose semi synthetic base combats difficult gear selection when cold and provides excellent film strength at elevated temperatures.

Formulated to meet the demands of modern manually operated gearboxes and final drives.

API GL-5, MIL-L-2105D

### ATHENA HD 75W-80, 75W-90, 80W-90, 85W-140, 80W, 90, 140

Multigrade and monograde high extreme pressure gearbox and final drive lubricants for use in highly loaded, heavy duty applications.

API GL-5, MIL-L-2105D

# FULL DETAILS ON THESE HIGHLY ADVANCED PRODUCTS AND DATA SHEETS ARE AVAILABLE FROM THE TECHNICAL SERVICES DEPARTMENT ON REQUEST.

## ATHENA EP 80W, 90, 140, 80W-90, 85W-140

Monograde and multigrade extreme pressure gear oils typically used in manual gearboxes fitted to modern day passenger cars and vans.

API GL-4, MIL-L-2105

## ATHENA LS 90, 80W-90, 85W-140

Specially formulated lubricants for use in limited slip differentials fitted to high performance cars and four wheel drive vehicles.

API GL-5

## AUTOTRANS MVA (FULLY SYNTHETIC)

A new generation multi-vehicle automatic transmission fluid. Features outstanding anti-shudder performance in the latest transmissions coupled with superior oxidation resistance and optimum frictional characteristics. A true state-of-the-art fluid.

GM DEXRON IIIH, FORD MERCON V, ALLISON C4, TES-295, MB 236.10, 236.11, 236.12, CHRYSLER ATF+4, TOYOTA TYPE T-IV, VW G 052 025 A2, ZF TE-ML 03D, 04D, 09, 14A, 14B, 16L, 17C (FOR FULL LIST OF SPECIFICATIONS SEE SEPARATE PRODUCT DATA SHEET).

## AUTOTRANS DEXRON III (SEMI SYNTHETIC)

A very high quality automatic transmission fluid formulated from high purity synthetic and solvent refined base oil and specially selected high technology additives to provide the correct frictional qualities demanded by modern automatic transmissions.

GM DEXRON IIIH, FORD MERCON, ALLISON C4, TES-389, CATERPILLAR TO-2, MB 236.1, 236.5, 236.6, 236.7, 236.9, 236.10, MAN 339 F, 339 V1 & Z1, 339 V2 & Z2, VOITH 55.6335, 55.6336, VOLVO 97340, 97341, ZF TE-ML 02F, 03D, 04D, 09, 11A, 11B, 14A, 14B, 16L and 17C

## AUTOTRANS UNIVERSAL

A versatile multi-functional automatic transmission fluid suitable for use in a wide variety of automatic gearboxes and power steering units.

GM DEXRON IID, FORD MERCON, FORD M2C138CJ, M2C166H, ALLISON C4, CATERPILLAR TO-2, MB 236.1, ZF TE-ML 09, 11, 14

## GREASES

### LITHIUM COMPLEX

A specially developed multi-purpose lubricating grease for all anti-friction and plain bearing applications. This grease has exceptional stability performance over a wide, elevated temperature range and can allow longer periods between re-lubrication compared with standard greases.

### LIBRA EP2

A premium lithium soap thickened high melting point grease, EP treated with good anti-corrosion properties. An excellent multi-purpose grease. For use in anti-friction and plain bearing applications subjected to high load conditions.

### LIBRA EP2M

Lithium soap thickened grease fortified with molybdenum disulphide. Ideal for use in anti-friction and plain bearings under high load and boundary conditions.

### COPPER GREASE

Lead free, copper based anti seize compound for use on threaded connections, linkages and slow moving bearings exposed to environmental and chemical contamination. High resistance to salt water ingress.

## ANCILLARY RANGE

LHM FLUID

DELTA DEGREASER

BRAKE FLUID

OIL ABSORBENT GRANULES

ANTIFREEZE LL

HYGIENICS HAND CLEANER

ANTIFREEZE MEG

AEROSOLS

FLEETWASH





## AUTOMOTIVE OVERVIEW

Conscious of the ever increasing demands placed upon lubricants by modern automotive engines, Exol have developed a complete range of fully synthetic, semi synthetic and mineral based engine oils to meet the very latest global specifications. Exol engine oils are designed to give maximum protection to all types of petrol and diesel engines, whether latest technology or vintage designs. They provide the necessary performance over a wide temperature range with excellent cold starting properties as well as efficient lubrication at the elevated running temperatures achieved by many of today's high performance engines.

Other benefits provided include superior engine cleanliness, reduced wear and oil consumption and compatibility with catalytic converters and diesel particulate filters.

## ENGINE OIL SPECIFICATIONS

### ACEA

- A Specifications for petrol car engines
- B Specifications for diesel car and light commercial engines
- C Specifications for cars and light commercial engines fitted with after treatment devices
- E Specifications for heavy duty commercial diesel engines



### VW

- 507.00 Long life diesel engine oils for VW cars with extended service intervals  
For use in vehicles fitted with diesel particulate filters
- 505.01 Special engine oils for VW turbo diesel engines with pump injector units and for V8 commonrail turbo diesel engines
- 504.00 Long life petrol engine oils for VW cars with extended service intervals



### Mercedes Benz

- 229.51 Low SAPS long life oils for diesel engines with particulate filters meeting Euro 4 emission standards onwards
- 229.5 Multigrade oils for petrol and diesel engines with energy conserving benefits
- 229.31 Multigrade low SAPS oils for diesel and petrol engines offering fuel economy benefits
- 229.3 Multigrade oils for petrol and diesel engines



### BMW

- Longlife-04 Fully synthetic, long life oil for BMW petrol and diesel engines including those fitted with diesel particulate filters
- Longlife-01 Fully synthetic, long life oils for BMW petrol and diesel engines



### Ford

- M2C934-B Multigrade low SAPS oils for vehicles fitted with diesel particulate filters
- M2C925-B SAE 5W-20 fuel efficient oil for EcoBoost engines
- M2C917-A SAE 5W-40 oil for pump injector diesel engines
- M2C913-C Improved fuel economy oils for Ford petrol and diesel engines with greater tolerance of biodiesel fuels
- M2C913-B Multigrade oils for Ford petrol and diesel engines



### General Motors

- dexos 2 Multigrade low SAPS oils for petrol and diesel engines from 2010 onwards
- LL-A-025 Multigrade long life oils for petrol engines
- LL-B-025 Multigrade long life oils for diesel engines





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