FUEL ECONOMY LUBRICANT

Proudly, we present our full synthetic, fuel economy, Nerine EFE lubricant range. The focus of these oils lies on the Fuel Economy aspect. Nerine EFE oils can be used for gasoline, diesel and LPG engines, with or without catalytic converter. MIL tests have shown over 3% fuel saving when using these lubricants. The Nerine EFE 0W/30 meets the VW 506.00 specification stating that the oils are suitable for diesel engines up to 50,000 km/2-years. These oils are especially suitable for “Pumpe-Düse” (unit injector or "PD" engines) running on extended service intervals (30,000 - 50,000km / 24 months). The Nerine EFE 5W/30 meets several Ford specifications that improve fuel economy and have a high robustness to bio-diesel fuels. All Nerine EFE oils ensure cleaner combustion, low emission levels, and still have high thermal stability under heavy-duty conditions.

FUEL ECONOMY RATING

NERINE EFE IS AVAILABLE IN
- SAE 0W/20
- SAE 0W/30
- SAE 5W/20
- SAE 5W/30

THE BASE OIL USED IS
- Mineral
- Semi-Synthetic
- Full Synthetic
- PAO

SPECIFICATIONS SAE 0W/20
- API SN/CF
- ACEA A1/B1

SPECIFICATIONS SAE 0W/30
- ACEA A1/B1
- VW 503.00/506.00/506.01

SPECIFICATIONS SAE 5W/20
- API SN
- ACEA A1/B1
- Jaguar/Landrover STJLR 03.5004
- Ford WSS-M2C948-B

SPECIFICATIONS SAE 5W/30
- API SL/CF
- ACEA A1/B1, A5/B5
- Ford WSS-M2C913-D, 913-A/B/C & 912A
- Jaguar/Landrover STJLR 03.5003
- Renault RN 0700

AVAILABLE PACKAGING
- 250 ML
- 500 ML
- 1L
- 4L
- 5L
- 20L
- 205L
- 1000L

All data on this technical data sheet is indicative only.
SAE 0W/20

**API SN/CF**

The API SN refers to gasoline engine specifications. In 2010 the American Petroleum Institute introduced a new engine oil category under the name API SN and a new supplemental category called Resource Conserving. The API SN category is an improvement over the API SM category in the following areas: high temperature deposit protection for pistons, better sludge control, better seal compatibility and aftertreatment compatibility.

**ACEA A1/B1**

Stable, stay-in-grade oil intended for use at extended drain intervals in gasoline engines, car and light van diesel engines specifically designed to be capable of using low friction low viscosity oils with a high temperature high shear rate viscosity of 2.6 mPa.s for xW/20 and 2.9 to 3.5 mPa.s for all other viscosity grades. These oils are unsuitable for use in some engines. Consult your owner manual or handbook if in doubt.

**SAE 0W/30**

**ACEA A1/B1**

Stable, stay-in-grade oil intended for usage at extended drain intervals in gasoline engines, car and light van diesel engines specifically designed to be capable of using low friction low viscosity oils with a high temperature high shear rate viscosity of 2.6 mPa.s for xW/20 and 2.9 to 3.5 mPa.s for all other viscosity grades. These oils are unsuitable for usage in some engines. Consult your owner manual or handbook if in doubt.

**VW 503.00**

Long life gasoline engine oil for VW cars with WIV (system for longer service intervals). Also meets ACEA A1, SAE 0W-30 or SW-30 specification.

**VW 506.00**

These oils are suitable for diesel engines with extended service intervals of up to 50,000km/2-years. Not for use on engines with a single injector pump. Oil change is indicated by the electronic service indicator. Viscosity is SAE 0W30.

**VW 506.01**

These oils are especially for “Pumpe-Düse” (unit injector or “PD” engines) running on extended service intervals (30,000 - 50,000km /24-months). Oil change is indicated by the electronic service indicator.
NERINE EFE
ECOLOGICAL FUEL ECONOMY ENGINE OIL

SAE 5W/20
API SN
Introduced in October 2010 for 2011 and older vehicles, designed to provide improved high temperature deposit protection for pistons, more stringent sludge control, and seal compatibility. API SN with Resource Conserving matches ILSAC GF-5 by combining API SN performance with improved fuel economy, turbocharger protection, emission control system compatibility, and protection of engines operating on ethanol-containing fuels up to E85.

ACEA A1/B1
Stable, stay-in-grade oil intended for use at extended drain intervals in gasoline engines and car & light van diesel engines specifically designed to be capable of using low friction low viscosity oils with a high temperature / high shear rate viscosity of 2.6 mPa*s for xW/20 and 2.9 to 3.5 mPa.s for all other viscosity grades. These oils are unsuitable for use in some engines. Consult owner manual or handbook if in doubt.

FORD WSS M2C948-B
Largely based on the ACEA C2 oil sequence this spec requires a low SAPS 5W20 oil and is primarily designed for the 1.0 liter, 3-cylinder EcoBoost engine. Contains in-house tests for fuel economy and piston deposit control. Oils meeting this spec must provide a 0.9% fuel economy improvement over regular 5W-20 oils.
All data on this technical data sheet is indicative only

**API SL/CF**

**ACEA A1/B1**

**ACEA A5/B5**

**SAE 5W/30**

**API SL/CF**

The **SL specification** was adopted to describe engine oils for use in 2001. It is for use in service typical of gasoline engines in present and earlier passenger cars, sports utility vehicles, vans and light trucks operating under vehicle manufacturers recommended maintenance procedures. Oils meeting API SL requirements have been tested according to the American Chemistry Council (ACC) Product Approval Code of Practice and may utilize the API Base Oil Interchange and Viscosity Grade Engine Testing Guidelines. They may be used where API Service Category SJ and earlier categories are recommended.

**CF specification** services typical of indirect-injection diesel engines and other diesel engines that use a broad range of fuel types, including those using fuel with high sulfur content; for example, over 0.5% wt. Effective control of piston deposits, wear and copper-containing bearing corrosion is essential for these engines, which may be naturally aspirated, turbocharged or supercharged. Oils designated for this service have been in existence since 1994 and may be used when API Service Category CD is recommended.

**ACEA A1/B1**

Stable, stay-in-grade oil intended for use at extended drain intervals in gasoline engines and car & light van diesel engines specifically designed to be capable of using low friction low viscosity oils with a high temperature / high shear rate viscosity of 2.6 mPa*s for xW/20 and 2.9 to 3.5 mPa.s for all other viscosity grades. These oils are unsuitable for use in some engines. Consult owner manual or handbook if in doubt.

**ACEA A5/B5**

Stable, stay-in-grade oil intended for use at extended drain intervals in high performance gasoline engines and car & light van diesel engines designed to be capable of using low friction low viscosity oils with a High temperature / High shear rate (HTHS) viscosity of 2.9 to 3.5 mPa.s. These oils are unsuitable for use in some engines. Consult owner manual or handbook if in doubt.
NERINE EFE
ECOLOGICAL FUEL ECONOMY ENGINE OIL

SAE 5W/30

Ford WSS-M2C 913A
Engine oil, Initial and service fill, SAE 5W-30. This specification meets the ILSAC GF-2 and ACEA A1-98 and B1-98 and additional Ford requirements.

Ford WSS-M2C 913B
The Ford M2C913-B specification is released in Europe for initial fill engine oils used for lubrication of spark ignition engines using gasoline and for compression ignition engines using diesel fuels. The specification is also used to define engine oils for servicing Ford engines where applicable. The oil shall meet all the requirements of the ILSAC GF-2 and GF-3 specification, the ACEA A1-98 and B1-98 specification and additional Ford requirements.

Ford WSS-M2C 913C
Fully backwards compatible and is strongly recommended for all applications that currently require the specification Ford M2C913-B. The new engine oil provides various benefits to the customer such as improved fuel economy benefits and high robustness to biodiesel fuels.

Ford WSS-M2C 913D
Introduced in 2012, oils meeting this specification are recommended for all Ford diesel engines except Ford Ka TDCi models manufactured before 2009 and Ford Galaxy 1.9 TDi models manufactured between 2000 and 2006. A product meeting this specification is especially recommended for diesel engines where M2C913-B or M2C913-C oils were initially required. An oil meeting this specification must be used in Ford Transit vehicles manufactured from 2012 onward with Duratorq 2.2 engine. Oils meeting this specification can be used with extended oil change intervals and are also suitable to be used in engines running on biodiesel or high sulfur diesel.

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