

G-Energy F Synth EC 5W-30

Premium Fully Synthetic Passenger Vehicle Engine Oil



G-Energy F Synth EC 5W-30 is fully synthetic engine oil formulated for the highest level of protection demanded by high performance engines. It is specifically designed for use in gasoline and diesel engines that specified low viscosity (HTHS) engine oils. G-Energy F Synth EC 5W-30 meets the requirements of the Ford WSS-M2C913-D specification.

Applications



- Turbo-charged and direct injection high performance engines
- Gasoline and diesel engines without diesel particulate filters (DPF) and catalyst (TWC) designed for use of a low viscosity (HTHS) engine oil
- Passenger cars, SUV's, light trucks and vans
- G-Energy F EC Synth 5W-30 is approved to meet the requirements of Ford WSS-M2C913-D but is also suitable for use in other vehicles where the viscosity and quality claims are appropriate. Ford have announced that WSS-M2C913-D is fully backward compatible and is strongly recommended for all applications that currently require the specification WSS-M2C913-C/B

	Features	Advantages and Potential Benefits
	Fully synthetic	Excellent overall lubrication and wear protection performance for many driving styles
	Excellent low temperature performance	Outstanding cold weather starting helps to extend engine life
	Enhanced thermal and oxidation stability	Outstanding performance during the maximum oil change interval recommended in a vehicle's owner's manual
	Improved wear protection	Outstanding wear control during automaker recommended oil change intervals for long component and engine life
	Improved frictional properties	Low viscosity and special additives result in maximum reduction of friction which results in potential lower fuel consumption

Approvals

- Ford WSS-M2C913-D

Meets the requirements

- ACEA A5/B5
- ACEA A1/B1
- API SL
- Ford WSS-M2C913-C
- Renault RN700

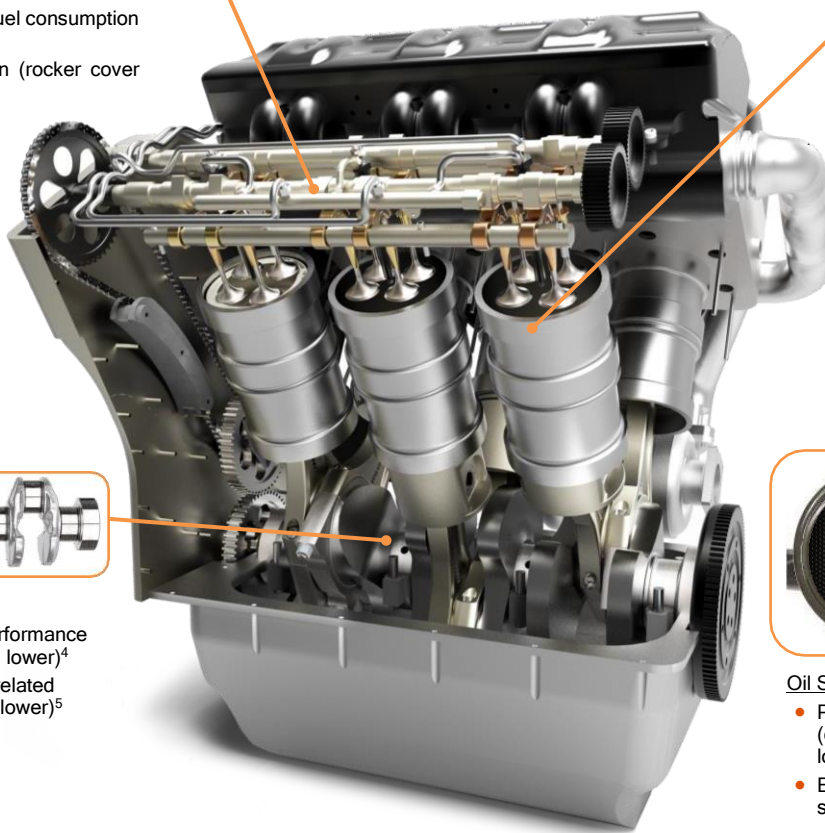
Recommendations

- Jaguar Land Rover
STJLR.03.5003

Typical Characteristics

Properties	Method	G-Energy F Synth EC 5W-30
SAE Viscosity Grade	SAE J300	5W-30
Kinematic Viscosity @40°C, mm²/s	ASTM D445	52,9
Kinematic Viscosity @100°C, mm²/s	ASTM D445	9,8
Viscosity Index	ASTM D2270	174
Flash Point (COC), °C	ASTM D92	228
Pour Point, °C	ASTM D97	-39
Density @15°C, kg/m³	ASTM D4052	849

G-Energy F Synth EC 5W-30 performance benefits compared to ACEA A5/B5



Valve Train

- Optimized power and fuel consumption (cam wear 58% lower)¹
- Lower sludge formation (rocker cover sludge 15% lower)²

Cylinder-piston group

- Prolong engine life (piston 22% cleaner)¹
- Excellent overall lubrication (cylinder wear 2,6 lower)¹

Crankshaft

- Excellent cold-start performance (MRV@-35°C 7,6 times lower)⁴
- Less downtime (soot related viscosity increase 13% lower)⁵

Oil Screen

- Protection against oil starvation (oil screen clogging much lower)⁴
- Engine cleanliness (engine sludge 32% lower)⁶

1- OM646LA; 2-Sequence VG; 3-VW DI Diesel; 4-CEC L-105; 5-DV4TD; 6-MB 111 FE

Health, Safety & Environment

Information is provided for products in the relevant Safety Data Sheet (SDS). This provides guidance on potential hazards, precautions and first-aid measures, together with environmental effects and disposal of used products. SDS's are available upon request through your sales contract office. This product should not be used for purposes other than its intended use.

G-Energy F Synth EC 5W-30 recommendations*

Makes	Models	Engines
DACIA	SUPERNOVA, SOLENZA, SANDERO, LOGAN, DUSTER, LODGYM DOKKER	Gasoline and Diesel without particulate filters before 2018
FORD	C-MAX, ESCAPE, FIESTA, FOCUS, FUSION, GALAXY, KUGA, MAVERIC, MONDEO, S-MAX	Gasoline (except EcoBoost) before 2018; Diesel before 2014
HONDA	JAZZ, CIVIC, STREAM, ACCORD, LEGEND, HR-V, CR-V, NSX	Gasoline; Diesel before 2011
HYUNDAI	ACCENT, ELANTRA, GETZ, I20, I30, I40 IX35, IX55, MATRIX, SANTA FE, SOLARIS, SONATA, TERRACAN, TUCSON, VERNA	Gasoline and Diesel without particulate filters before 2018
INFINITI	G, I, JX, M, Q, EX, FX, QX	Gasoline before 2018
JAGUAR	X-TYPE, S-TYPE, XF, XJ, XK	Gasoline before 2014 and Diesel without particulate filters before 2018
KIA	CARENS, CARNAVAL, CEED, CERATO, MAGENTIS/OPTIMA, PICANTO, RIO, SORENTO, SOUL, SPECTRA/SEPHIA/SHUMA, SPORTAGE, VENGA	Gasoline and Diesel without particulate filters after 2009
LAND ROVER	FREELANDER, DEFENDER, DISCOVERY, RANGE ROVER	Gasoline before 2014 and Diesel without particulate filters before 2018
MAZDA	2,3, 323, 6, ATENZA, AXELLA, CAPELLA, DEMIO, FAMILIA, PREMACY	Gasoline before 2018 and Diesel without particulate filters before 2004
MITSUBISHI	AIRTREK, CARISMA, COLT, GALANT, GRANDIS, L200, LANCER, CEDIA, LIBERO, MIRAGE, OUTLANDER, PAJERO, PININ, SPORT, SPACE STAR	Gasoline before 2018 and Diesel without particulate filters before 2009
NISSAN	ALMERA, CUBE, EVALIA, JUKE, LEAF, MAXIMA QX, MICRA, MARCH, MURANO, NAVARA, NOTE, PATHFINDER, PATROL, TERRANO, PIXA, PULSAR, PRIMERA, QASHQAI, SKYLINE, TEANA, TIIDA, X-TRAIL	Gasoline before 2018
RENAULT	CLIO, DUSTER, FLUENCE, LAGUNA, LOGAN, MEGANE, SANDERO, SCENIC, SYMBOL	Gasoline and Diesel without particulate filters before 2018
SUBARU	IMPREZA, FORESTER, LEGACY, TREZIA, TRIBECA, WRX	Gasoline before 2018
SUZUKI	ALTO, CELERIO, WAGON, SPLASH, SWIFT, IGNIS, SX4, LIANA, KIZASHI, JIMNY, VITARA, GRAND VITARA	Gasoline and Diesel without particulate filters before 2018
TOYOTA	AURIS, AVENSIS, CALDINA, CAMRY, CARINA, COROLLA, CORONA, GAIA, HARRIER, HIGHLANDER, HILUX, IPSUM, IST, LAND CRUISER, MARK, NADIA, NOAH, OPA, PLATZ, PREMIO, PRIUS, RAV 4, SUCCEED, VERSO, VISTA, VITZ, WISH, YARIS	Diesel without particulate filters before 2012
VOLVO	C30, C70, S40, S60, S70, S80, S90, V40, V50, V60, V70, V90, XC60, XC70, XC90	Gasoline and Diesel without particulate filters before 2013

* Third party data is used to determine the recommended products. G-energy accepts no liability for the suitability of any recommendation made. Any decisions you make based on this information are your sole responsibility. Before adding any products to your vehicle, please always check vehicle/equipment handbook to confirm the suitability of any product recommendations for your vehicle/equipment.