

G-Energy F Synth 5W-40

Premium Fully Synthetic Passenger Vehicle Engine Oil



G-Energy F Synth 5W-40 is fully synthetic engine oil formulated for the highest level of protection demanded by high performance engines. It protects better than conventional engine oils in hot or cold operating temperatures helping to prevent dirt and build-up, for better response and improved performance, thus helping your engine to operate at its full potential.

Applications



- Turbo-charged and direct injection high performance engines
- Gasoline and diesel engines without diesel particulate filters (DPF)
- Passenger cars, SUV's, light trucks and vans
- Highway cruising and stop and go city driving
- Normal to frequently severe operating conditions

	Features	Advantages and Potential Benefits
	Fully synthetic	Excellent overall lubrication and wear protection performance for many driving styles
	Excellent low temperature performance	Quick cold weather starting helps to extend engine life
	Improved thermal and oxidation stability	Helps to resist oil aging allowing extended drain interval protection
	Active cleaning agents	Helps prevent deposits and sludge build-up to enable long engine life
	High Viscosity Index	Excellent overall lubrication and wear protection for long component and engine life
	Low volatility	Thoroughly selected base oils helps to control oil consumption

Approvals

- MB 229.5
- VW 502 00
- VW 505 00
- AVTOVAZ

Meets the requirements

- API SN (licensed)
- API CF
- ACEA A3/B4
- General Motors LL-B-025
- Porsche A40
- PSA B71 2296
- Renault RN700
- Renault RN710

Recommendations

- BMW Longlife-01

Typical Characteristics

Properties	Method	G-Energy F Synth 5W-40
SAE Viscosity Grade	SAE J300	5W-40
Kinematic Viscosity @40°C, mm ² /s	ASTM D445	87,3
Kinematic Viscosity @100°C, mm ² /s	ASTM D445	14,6
Viscosity Index	ASTM D2270	175
Total Base Number, mg KOH/g	ASTM D2896	10,4
Flash Point (COC), °C	ASTM D92	230
Pour Point, °C	ASTM D97	-42
Density @15°C, kg/m ³	ASTM D4052	859

G-Energy F Synth 5W-40 performance benefits compared to ACEA A3/B4

Valve Train

- Optimized power and fuel consumption (cam wear 2 times lower)¹
- Lower sludge formation (rocker cover sludge 19% lower)²

Cylinder-piston group

- Prolong engine life (piston 33% cleaner)⁴
- Excellent oxidation stability (viscosity increase 63% lower)¹
- Protection under extreme operation conditions (cylinder wear 2,5 times lower)³

Crankshaft

- Excellent cold-start performance (MRV@-35°C 52% lower)⁵
- Less downtime (bearing wear 40% lower)⁶

Oil Screen

- Protection against oil starvation (oil screen clogging 20 times lower)²
- Engine cleanliness (engine sludge 20% lower)²

1-Sequence IIIG (ASTM D 6984); 2-Sequence VG; 3-OM602A (CEC-L-51-T-98); 4-DV4TD; 5-CEC L-105; 6-Sequence VIII (ASTM D 6709)

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 5W-40 recommendations*

Makes	Models	Engines
AUDI	A1, A3, A4, A5, A6, A7, A8, Q1, Q3, Q5, Q7	Gasoline before 2018 Diesel before 2000
BMW	GT, Series1, Series3, Series5, Series7, X1,X3, X5, X6	Gasoline before 2018 Diesel before 2004
CHERY	QQ6, CHANCE, M, TENGO, A, INDIS, E5, ARRIZO, RIICH, J11, TIGGO, BOSS, CROSSEASTAR	Gasoline before 2018
CHEVROLET	AVEO,CAPTIVA, LANOS, NIVA, REZZO, VIVA	Gasoline and Diesel before 2006
CITROEN	C1, C2, C3, C4, C5, C6, C8, DS3, DS4, DS5	Gasoline (except THP, VTI, PureTech types) before 2018; Diesel before 2005
DACIA	SUPERNOVA, SOLENZA, SANDERO, LOGAN, DUSTER, LODGYM DOKKER	Gasoline and Diesel without particulate filters before 2018
DAEWOO	MATIZ, NEXIA, GENTRA	Gasoline before 2018
DAIHATSU	CUORE, MIRA, CHARADE, TREVIS, MOVE, SIRION, YOUNG RV, MATERIA, TERIOS, COPEN	Gasoline before 2018
DATSUN	MI-DO, ON-DO	Gasoline before 2018
FIAT	500, DOBLO, 600, SEICENTO, PANDA, PALIO, ALBEA, SIENA, IDEA, PUNTO, LINEA, BARCHETTA, BRAVO, STILO, MAREA, CROMA, SEDICI, MULTIPLA	Gasoline and Diesel without particulate filters before 2010
GAZ	3102, 31029, 3110, SIBER	Gasoline before 2018
GEELY	BEAUTY LEOPARD, BORUI, FREE CRUISER, EMGRAND, YUANJIN, VISION, GL EAGLE, HOAQING, LC PANDA, MEIRI ULIOU, KING KONG, JINGYING	Gasoline before 2014
GREAT WALL	HAVAL, FLORID, VOLEEX, COOLBEAR, HAVAL, TENGYI, HOVER	Gasoline before 2018
HONDA	JAZZ, CIVIC, STREAM, ACCORD, LEGEND, HR-V, CR-V, NSX	Gasoline before 2004
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
KIA	CARENS, CARNAVAL, CEED, CERATO, MAGENTIS/OPTIMA, PICANTO, RIO, SORENTO, SOUL, SPECTRA/SEPHIA/SHUMA, SPORTAGE, VENGA	Gasoline and Diesel without particulate filters before 2018
LADA	All models	Gasoline before 2018
LIFAN	320, 520, 620, 720	Gasoline before 2018
MAZDA	2,3, 323, 5, 6, ATENZA, AXELLA, CAPELLA, CX-3, CX-5, CX-7, CX-9, DEMIO, FAMILIA, PREMACY, VERISA	Gasoline before 2018 Diesel before 2004
MERCEDES-BENZ	A, B, C, E, S, SLK, SLC, SL, CLA, CLC, CLK, CLS, CL, GLA, GLK, GLC, M, GLE, R, G, GL, GLS	Gasoline and Diesel without particulate filters before 2018
MITSUBISHI(EU)	AIRTREK, CARISMA, COLT, GALANT, GRANDIS, L200, LANCER, CEDIA, LIBERO, MIRAGE, OUTLANDER PAJERO, PININ, SPORT, SPACE STAR	Gasoline and Diesel before 2009
NISSAN (EU)	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 and Diesel without particulate filters
PEUGEOT	206, 207, 3008, 307, 308, 406, 407, 408, 508	Gasoline (except THP, VTI, PureTech types); Diesel before 2009
PORSCHE	911, BOXSTER, CAYMAN, CAYENNE, PANAMERA, MACAN	Gasoline before 2018
RENAULT	CLIO, DUSTER, FLUENCE, LAGUNA, LOGAN, MEGANE, SANDERO, SCENIC, SYMBOL	Gasoline and Diesel without particulate filters before 2018
SEAT	AROSA, IBIZA, LEON, CORDOBA, EXEO, TOLEDO, ALTEA, ALHAMBRA	Gasoline; Diesel before 2000
SKODA	FABIA, OCTAVIA, RAPID, ROOMSTER, SUPERB, YETI	Gasoline; Diesel before 2000
SSANG YONG	ACTYON, CHAIRMAN, KORANDO, KYRON, MUSSO, REXTON, RODIUS	Gasoline and Diesel without particulate filters before 2018
SUZUKI	ALTO, CELERIO, WAGON, SPLASH, SWIFT, IGNIS, SX4, LIANA, KIZASHI, JIMNY, VITARA, GRAND VITARA	Gasoline before 2018
TAGAZ	VEGA, TAGER	Gasoline before 2018
TOYOTA	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 2007
UAZ	3151, HUNTER, PATRIOT, PICKUP, CARGO	Gasoline and Diesel before 2018
VOLKSWAGEN	AMAROCK, BORA, GOLF, JETTA, PASSAT, POLO, SHARAN, TIGUAN, TOUAREG, TOURAN	Gasoline before 2018 Diesel before 2000

* 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.