

## G-Energy Synthetic Active 5W-40



Engine oil



G-Base synthetic base oil



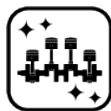
All-season, SAE 5W-40



Gasoline and diesel engines



Active driving



Improved detergency



**G-BASE SYNTHETIC TECHNOLOGY** is innovative lubricants production technology uniting modern scientific achievements, unique formulations, advanced production and quality control.






**G-Energy Synthetic Active 5W-40** is synthetic G-Base technology all-season engine oil for gasoline and diesel engines. Designed for maximal protection and effective operation of engines in active usage mode, including strong accelerations, city- and highway-style driving.

### Application



- Passenger cars, light off-road trucks, SUVs, vans and LCVs.
- Wide range of naturally aspirated and turbocharged gasoline and diesel engines, requiring SAE 5W-40 viscosity class, ACEA A3/B4, API SN/CF and lower tier engine oils.
- Not recommended for DPF (Diesel Particulate Filter)-equipped engines.

### Advantages

	High lubricating film stability provides advanced engine protection in active usage mode (city/highway, strong accelerations, traffic jams)
	Engine deposits minimization in high operation temperatures and all working modes
	Maximal engine protection in high engine RPM: short strong accelerations and long high-speed highway driving, both
	Effective fuel combustion products neutralization, even in case of increased fuel consumption due to active driving manner
	Advanced engine deposits control and detergency provides better engine details cleanliness

## Approvals

- API SN
- MB-Approval 229.3
- VW 502 00/505 00
- Renault RN 0700/0710
- AVTOVAZ

## Specifications

- ACEA A3/B4
- API CF

## Typical characteristics

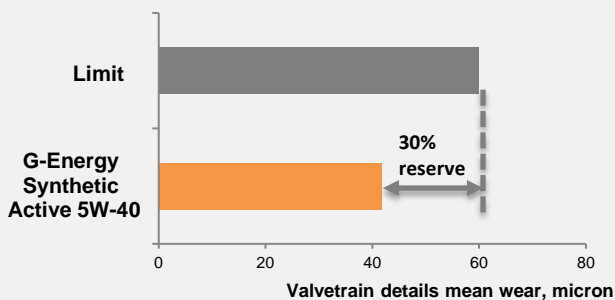
Properties	Value	Method
Kinematic Viscosity, mm <sup>2</sup> /s at 40 °C	89,7	ASTM D 445
at 100 °C	14,6	ASTM D 445
Viscosity Index	170	ASTM D 2270
Flash Point (COC), °C	233	ASTM D 92
Pour Point, °C	-42	ASTM D 97
Density at 15 °C, kg/m <sup>3</sup>	858	ASTM D 4052
Total Base Number, mg KOH/g	11,1	ASTM D 2896

## G-Base products advantages



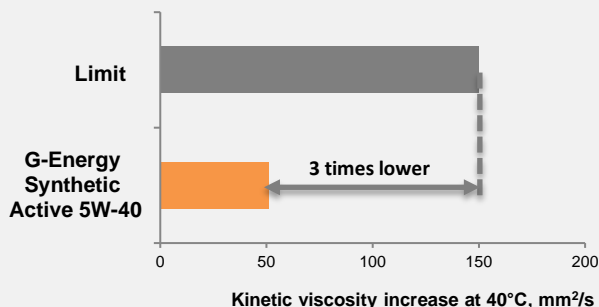
G-Base technology synthetic base oil usage in G-Energy Synthetic product range provides its outstanding properties:

### Wear protection <sup>1</sup>



Advanced wear protection of G-Energy Synthetic Active 5W-40 provides additional protection of engine details in all operating modes, including high engine RPM.

### Oil oxidation stability <sup>1</sup>



High oxidation stability of G-Energy Synthetic Active 5W-40 provides good properties reserve in whole oil drain interval, additional wear protection and better engine deposits control.

<sup>1</sup> – Sequence IIIG (ASTM D7320) test

## 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 Synthetic Active 5W-40 application recommendations

For Your information only. Based on 2020 data. Please, read carefully Your vehicle owner's manual before use.

Maker	Model	Engine type
AUDI	A1, A3, A4, A5, A6, A7, A8, Q1, Q3, Q5, Q7	Gasoline engines up to 2020, Diesel engines up to 2000.
CHERY	QQ6, CHANCE, M, TENGO, A, INDIS, E5, ARRIZO, RIICH, J11, TIGGO, BOSS, CROSSESTAR	Gasoline engines up to 2020.
CHEVROLET	AVEO, CAPTIVA, LANOS, NIVA, REZZO, VIVA	Gasoline and diesel engines up to 2006.
CITROEN	C1, C2, C3, C4, C5, C6, C8, DS3, DS4, DS5	Gasoline engines (excl. THP, VTI, PureTech) up to 2020, Diesel engines up to 2005.
DACIA	SUPERNOVA, SOLENZA, SANDERO, LOGAN, DUSTER, LODGYM DOKKER	Gasoline and non-DPF diesel engines up to 2020.
DAEWOO	MATIZ, NEXIA, GENTRA	Gasoline engines up to 2020.
DAIHATSU	CUORE, MIRA, CHARADE, TREVIS, MOVE, SIRION, YOUNG RV, MATERIA, TERIOS, COPEN	Gasoline engines up to 2020.
DATSUN	MI-DO, ON-DO	Gasoline engines up to 2020.
FIAT	500, DOBLO, 600, SEICENTO, PANDA, PALIO, ALBEA, SIENA, IDEA, PUNTO, LINEA, BARCETTA, BRAVO, STILO, MAREA, CROMA, SEDICI, MULTIPLA	Gasoline and non-DPF diesel engines up to 2010.
GAZ	3102, 31029, 3110, SIBER	Gasoline engines up to 2020.
GEELY	BEAUTY LEOPARD, BORUI, FREE CRUISER, EMGRAND, YUANJIN, VISION, GL EAGLE, HOAQING, LC PANDA, MEIRI ULIOU, KING KONG, JINGYING	Gasoline engines up to 2014.
GREAT WALL	HAVAL, FLORID, VOLEEX, COOLBEAR, HAVAL, TENGYI, HOVER	Gasoline engines up to 2020.
HONDA	JAZZ, CIVIC, STREAM, ACCORD, LEGEND, HR-V, CR-V, NSX	Gasoline engines up to 2004.
HYUNDAI	ACCENT, ELANTRA, GETZ, I20, I30, I40 IX35, IX55, MATRIX, SANTA FE, SOLARIS, SONATA, TERRACAN, TUCSON, VERNA	Gasoline and non-DPF diesel engines up to 2020.
INFINITI	G, I, JX, M, Q, EX, FX, QX	Gasoline engines up to 2020.
KIA	CARENS, CARNAVAL, CEED, CERATO, MAGENTIS/OPTIMA, PICANTO, RIO, SORENTO, SOUL, SPECTRA/SEPHIA/SHUMA, SPORTAGE, VENGA	Gasoline and non-DPF diesel engines up to 2020.
LADA	All models	Gasoline engines up to 2020.
LIFAN	320, 520, 620, 720	Gasoline engines up to 2020.
MAZDA	2,3, 323, 5, 6, ATENZA, AXELLA, CAPELLA, CX-3, CX-5, CX-7, CX-9, DEMIO, FAMILIA, PREMACY, VERISA	Gasoline engines up to 2020, Diesel engines up to 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 non-DPF diesel engines up to 2020.
MINI (European market)	AIRTRAK, CARISMA, COLT, GALANT, GRANDIS, L200, LANCER, CEDIA, LIBERO, MIRAGE, OUTLANDER, PAJERO, PININ, SPORT, SPACE STAR	Gasoline and diesel engines up to 2009.
NISSAN (European market)	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 non-DPF diesel engines up to 2020.
PEUGEOT	206, 207, 3008, 307, 308, 406, 407, 408, 508	Gasoline engines (excl. THP, VTI, PureTech) up to 2020, Diesel engines up to 2009.
PORSCHE	911, BOXSTER, CAYMAN, CAYENNE, PANAMERA, MACAN	Gasoline engines up to 2020.
RENAULT	CLIO, DUSTER, FLUENCE, LAGUNA, LOGAN, MEGANE, SANDERO, SCENIC, SYMBOL	Gasoline and non-DPF diesel engines up to 2020.
SEAT	AROSA, IBIZA, LEON, CORDOBA, EXEO, TOLEDO, ALTEA, ALHAMBRA	Gasoline engines up to 2020, Diesel engines up to 2000.
SKODA	FABIA, OCTAVIA, RAPID, ROOMSTER, SUPERB, YETI	Gasoline engines up to 2020, Diesel engines up to 2000.
SSANG YONG	ACTYON, CHAIRMAN, KORANDO, KYRON, MUSSO, REXTON, RODIUS	Gasoline and non-DPF diesel engines up to 2020.
SUZUKI	ALTO, CELERIO, WAGON, SPLASH, SWIFT, IGNIS, SX4, LIANA, KIZASHI, JIMNY, VITARA, GRAND VITARA	Gasoline engines up to 2020.
TAGAZ	VEGA, TAGER	Gasoline engines up to 2020.
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	Non-DPF diesel engines up to 2007.
UAZ	3151, HUNTER, PATRIOT, PICKUP, CARGO	Gasoline and diesel engines up to 2020.
VOLKSWAGEN	AMAROK, BORA, GOLF, JETTA, PASSAT, POLO, SHARAN, TIGUAN, TOUAREG, TOURAN	Gasoline engines up to 2020, Diesel engines up to 2000.

Certified

ISO 9001



ISO 14001



ISO/TS 16949



ISO 45001

