

## G-Energy Synthetic Super Start 5W-30



Engine oil



G-Base Synthetic base oil



All-season, SAE 5W-30



Gasoline and diesel engines



Diesel Particulate Filters



Easy engine start-up



Improved engine cleanliness



High oxidation stability



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

**G-Energy Synthetic Super Start 5W-30** is synthetic G-Base technology all-season engine oil with improved low-temperature performance. Designed for gasoline and diesel engines, compatible with modern after-treatment systems (DPF – Diesel Particulate Filter, TWC – Three-Way Catalyst). Product provides easy engine startup and additional protection in wide temperature range, including operation at low ambient temperatures.

### 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-30, ACEA C2/C3, API SP and lower tier engine oils.
- Vehicles operating in climate with big ambient temperatures variations.
- Can be used in Diesel Particulate Filter (DPF) and Three-Way Catalyst (TWC) equipped engines .

### Advantages

	Easy engine startup in any climatic conditions, including low ambient temperatures
	Improved sludge control during engine warmup
	Engine start-up wear minimization, including start-stop system operation
	Smooth and silent engine operation during whole work cycle – from startup to shutdown
	Reduced-SAPS additive technology provides compatibility with modern after-treatment systems (DPF – Diesel Particulate Filters, TWC –Three-Way Catalysts)

## Specifications

- ACEA C2/C3
- API SP
- VW 505 00/505 01
- MB 229.52, 229.51, 229.31
- BMW Longlife-04
- Opel-Vauxhall OV0401547
- Iveco 18-1811 SC1
- Fiat 9.55535-S1/S3

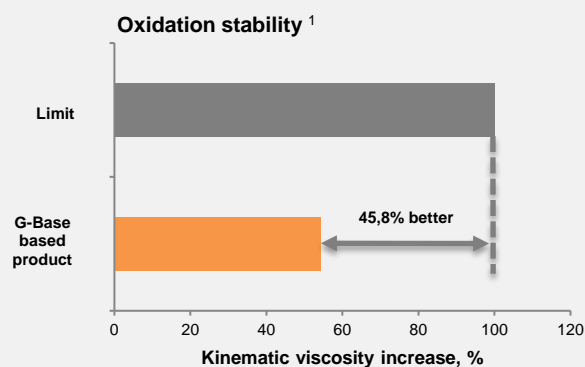
## Typical characteristics

Properties	Value	Method
Kinematic Viscosity, mm <sup>2</sup> /s at 40 °C	72,5	ASTM D 445
at 100 °C	12,3	ASTM D 445
Viscosity Index	168	ASTM D 2270
Flash Point (COC), °C	228	ASTM D 92
Pour Point, °C	-43	ASTM D 97
Density at 15 °C, kg/m <sup>3</sup>	852	ASTM D 4052
Total Base Number, mg KOH/g	7,4	ASTM D 2896

## G-Base products advantages



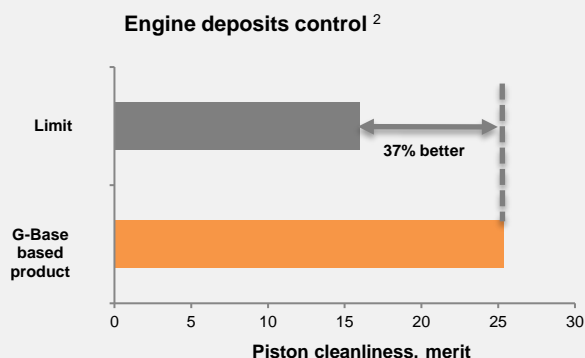
G-Base technology synthetic base oil usage in G-Energy Synthetic product range provides its outstanding properties:



1 – VW T4 test



Advanced oxidation stability of G-Base based products provides slower oil degradation in high temperatures and good properties reserve during whole oil drain interval



2 – OM646LA test



Advanced purity of G-Base based products provides varnish and sludge minimization, stable engine lubrication, engine life maximization.

## 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 Super Start 5W-30 application recommendations

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

Maker	Model	Engine type
CADILLAC	BLS, ATS, CTS, XTS, XLR, ELR, STS, SRX, ESCALADE	Gasoline and diesel engines up to 2020.
CHEVROLET	AVEO, CAPTIVA, CRUZE, EPICA, LACETTI, LANOS, NIVA, ORLANDO, REZZO, SPARK, VIVA	Gasoline and diesel engines up to 2020.
CHRYSLER	SEBRING, 300C	Gasoline engines (excl. 6.4 HEMI V8) up to 2020.
CITROEN	C1, C2, C3, C4, C5, DS3, DS5, C-CROSSER, C-ELYSEE, BERLINGO, JUMPER	Gasoline (THP, VTI, PureTech) and diesel engines up to 2020.
DACIA	SUPERNOVA, SOLENZA, SANDERO, LOGAN, DUSTER, LODGYM DOKKER	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.
DODGE	CALIBER, AVENGER	Diesel engines up to 2020.
FIAT	500, DOBLO, 600, SEICENTO, PANDA, PALIO, ALBEA, SIENA, IDEA, PUNTO, LINEA, BARCHETTA, BRAVO, STILO, MAREA, CROMA, SEDICI, QUBO, MULTIPLA, FREEMONT	Gasoline and diesel engines up to 2005.
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 2020.
GREAT WALL	HAVAL, FLORID, VOLEEX, COOLBEAR, HAVAL, TENGYI, HOVER	Gasoline engines up to 2020.
HAIMA	2, 7, FAMILY, FREEMA, M, S	Gasoline engines up to 2020.
HONDA	JAZZ, CIVIC, FR-V, STREAM, ACCORD, LEGEND, HR-V, CR-V, NSX	Gasoline engines up to 2010, diesel engines with DPF up to 2020.
HYUNDAI	ACCENT, ELANTRA, GETZ, I20, I30, I40 IX35, IX55, MATRIX, SANTA FE, SOLARIS, SONATA, TERRACAN, TUCSON, VERNA	Gasoline engines, diesel engines with DPF up to 2020.
INFINITI	G, I, JX, M, Q, EX, FX, QX	Gasoline and diesel engines from 2015.
JEEP	GRAND CHEROKEE	Diesel engine up to 2020.
KIA	CARENS, CARNAVAL, CEED, CERATO, MAGENTIS/OPTIMA, PICANTO, RIO, SORENTO, SOUL, SPECTRA/SEPHIA/SHUMA, SPORTAGE, VENGA	Gasoline engines, diesel engines with DPF up to 2020.
LADA	All models	Gasoline engines up to 2020.
LEXUS	IS, RC, LC, GS, LS, RX, ES, NX, LX, GX	Gasoline engines, diesel engines with DPF 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 and diesel engines up to 2020.
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 engines up to 2018.
MITSUBISHI	AIRTREK, ASX, CARISMA, COLT, DION, GALANT, GRANDIS, L200, LANCER, CEDIA, LIBERO, MIRAGE, OUTLANDER, PAJERO, PININ, SPORT, SPACE STAR	Gasoline and diesel engines from 2010.
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 diesel engines up to 2020.
OPEL	ANTARA, ASTRA, CORSA, INSIGNIA, MERIVA, MOKKA, VECTRA, ZAFIRA	Gasoline and diesel engines up to 2020.
PEUGEOT	107, 108, 206, 207, 208, 301, 307, 308, 309, 407, 508, 1007, 3008, 4007, 4008, BIPPER TEPPE, PARTNER, TRAVELLER	Gasoline and diesel engines up to 2020.
RAVON	GENTRA, MATIZ, R2, R4, NEXIA	Gasoline engines up to 2020.
SAAB	9-2, 9-3, 9-5, 9-7	Gasoline and diesel engines up to 2020.
SSANG YONG	ACTYON, CHAIRMAN, KORANDO, KYRON, MUSSO, REXTON, RODIUS	Gasoline and diesel engines up to 2020.
SUBARU	IMPREZA, FORESTER, LEGACY, TREZIA, TRIBECA, WRX	Gasoline and diesel engines up to 2020.
SUZUKI (European market)	ALTO, CELERIO, WAGON, SPLASH, SWIFT, IGNIS, SX4, LIANA, KIZASHI, JIMNY, VITARA, GRAND VITARA	Gasoline engines, diesel engines with DPF up to 2020.
TOYOTA (European market)	AURIS, AVENSIS, CAMRY, COROLLA, HIGHLANDER, HILUX, LAND CRUISER, RAV 4, VERSO, YARIS	Gasoline engines, diesel engines with DPF up to 2020.
VOLKSWAGEN	AMAROK, BORA, GOLF, JETTA, PASSAT, POLO, SHARAN, TIGUAN, TOUAREG, TOURAN	Gasoline engines up to 2021. Diesel engines (incl. pompe-duese, pump-injector) up to 2006 r.

### Certified

ISO 9001



ISO 14001



ISO/TS 16949



ISO 45001

