

## G-Energy FE DX1 5W-30

Premium Fully Synthetic Passenger Vehicle Engine Oils



Adaptive Formula



Engine oil



Fully synthetic (partly PAO)



Multigrade



Gasoline engines



Energy conserving



Increased engine horsepower

### Applications



- Turbo-charged and direct injection high performance gasoline engines
- Engines running on bio fuel mixtures (for example E85)
- All types of passenger cars, SUV's, vans, and light trucks
- Normal to frequently severe operating conditions

	Features	Advantages and Potential Benefits
	Advanced fully synthetic formula	Excellent overall lubrication and protection against heat, deposits and wear for many driving styles
	Improved frictional properties	Special additives results in maximum reduction of friction which results in potential lower fuel consumption
	Improved thermal and oxidation stability	Helps to resist oil aging allowing long lasting protection
	Excellent low temperature performance	Flawless cold weather starting helps to extend engine life
	Enhanced wear protection	Excellent wear protection even under high permanent load with maximum power output for longer components and engine life

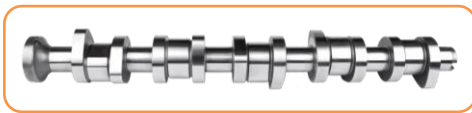
### Meets the requirements:

- API SN (licensed)
- ILSAC GF-5 (licensed)
- General Motors dexos 1™ Gen 2

### Typical Characteristics

Properties	Method	G-Energy FE DX1 5W-30
SAE Viscosity Grade	SAE J300	5W-30
Kinematic Viscosity @40°C, mm <sup>2</sup> /s	ASTM D445	64,5
Kinematic Viscosity @100°C, mm <sup>2</sup> /s	ASTM D445	11,8
Viscosity Index	ASTM D2270	165
Flash Point (COC), °C	ASTM D92	233
Pour Point, °C	ASTM D97	-39
Density @15°C, kg/m <sup>3</sup>	ASTM D4052	856

## G-Energy FE DX1 5W-30 performance benefits compared to ILSAC GF-5



### Valve Train

- Optimized power and fuel consumption (viscosity retention 5% better)<sup>1</sup>



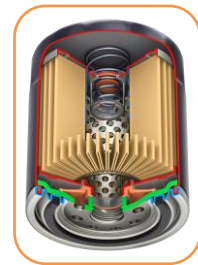
### Cylinder-piston group

- Good high temperature performance (varnish deposits 6% lower)<sup>3</sup>
- Energy conserving (potential fuel economy improvement by switching from 15W-40 grade)<sup>2</sup>



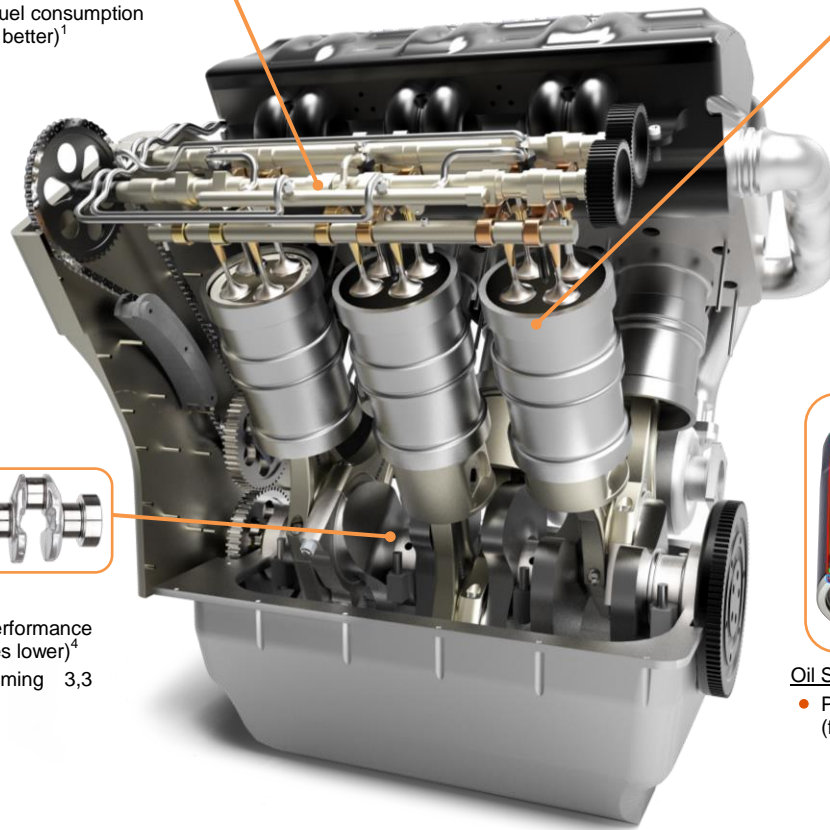
### Crankshaft

- Excellent cold-start performance (MRV@-35°C 2,3 times lower)<sup>4</sup>
- Less downtime (foaming 3,3 times lower)<sup>5</sup>



### Oil Screen

- Protection against oil starvation (filterability 7,4 times better)<sup>6</sup>



1-ASTM D6278; 2-ASTM D4683; 3-ASTM D6335; 4-ASTM D4684; 5-ASTM D6082; 6-ASTM D6795

## 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.

✓ ISO 9001

✓ ISO 14001

✓ ISO/TS 16949

✓ OHSAS 18001

CERTIFIED

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## G-Energy FE DX1 5W-30 recommendations\*

Makes	Models	Engines
CADILLAC	BLS, ATS, CTS, XTS, XLR, ELR, STS, SRX, ESCALADE	Gasoline
CHEVROLET	AVEO, CAPTIVA, CRUZE, EPICA, LACETTI, LANOS, NIVA, ORLANDO, REZZO, SPARK, VIVA	Gasoline engines since 2007.
CHRYSLER	SEBRING, 300C	Gasoline before 2004
HONDA	JAZZ, CIVIC, FR-V, STREAM, ACCORD, LEGEND, HR-V, CR-V, NSX	Gasoline
HYUNDAI	ACCENT, ELANTRA, GETZ, I20, I30, I40 IX35, IX55, MATRIX, SANTA FE, SOLARIS, SONATA, TERRACAN, TUCSON, VERNA	Gasoline engines since 2009
INFINITI	G, I, JX, M, Q, EX, FX, QX	Gasoline
JEEP	GRAND CHEROKEE	Gasoline engines since 2008
KIA	CARENS, CARNAVAL, CEED, CERATO, MAGENTIS/OPTIMA, PICANTO, RIO, SORENTO, SOUL, SPECTRA/SEPHIA/SHUMA, SPORTAGE, VENGA	Gasoline engines since 2009
LEXUS	CT, IS, GS, LS, RX, ES, NX, GX, RC	Gasoline
MAZDA	2,3, 323, 5,6, ATENZA, AXELLA, CAPELLA, CX-3, CX-5, CX-7, CX-9, DEMIO, FAMILIA, PREMACY, VERISA	Gasoline
MITSUBISHI	AIRTREK, ASX, CARISMA, COLT, DION, GALANT, GRANDIS, L200, LANCER, CEDIA, LIBERO, MIRAGE, OUTLANDER, PAJERO, PININ, SPORT, SPACE STAR	Gasoline
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
SAAB	9-2, 9-3, 9-5, 9-7	Gasoline
SUBARU	IMPREZA, FORESTER, LEGACY, TREZIA, TRIBECA, WRX	Gasoline
SUZUKI	ALTO, CELERIO, WAGON, SPLASH, SWIFT, IGNIS, SX4, LIANA, KIZASHI, JIMNY, VITARA, GRAND VITARA	Gasoline
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	Gasoline

\* Third party data is used to determine the recommended products. Gazpromneft Lubricants 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.