

## G-Energy Expert G 10W-40

Premium Passenger Vehicle Engine Oil



Adaptive Formula



Engine oil



Semisynthetic



Multigrade



Gasoline and diesel engines



High mileage vehicles

**G-Energy Expert G 10W-40** is high performance engine oil designed to provide power, protection and extended engine life. G-Energy Expert G 10W-40 is formulated with the use of synthetic technology and advanced additive system to provide thermal stability, detergent and dispersant properties improving engine cleanliness and prevent the formation of harmful deposits in the engine. It also delivers excellent cold start performance in low ambient temperatures.

### Applications



- Turbo-charged and direct injection engines
- Gasoline and diesel engines without diesel particulate filters (DPF) requiring oil with API SG/CD standards
- Older engine technologies
- Passenger cars, light trucks and vans

	Features	Advantages and Potential Benefits
	Improved detergent and dispersant properties	Helps to maintain piston cleanliness preventing ring sticking and sludge formation
	Stay-in-grade	Stable viscosity index improver controls the viscosity of the oil throughout its service life for minimizing wear
	Thermal and oxidation stability	Helps to resist oil aging allowing extended drain interval protection
	Good low temperature performance	Oil flows more quickly and circulates throughout engine at low temperatures to extend engine life
	Wear Protection	Excellent performance in both low and high temperature service for long engine life

#### Meets the requirements:

- API SG/CD

#### Approvals:

- AVTOVAZ

### Typical Characteristics

Properties	Method	G-Energy Expert G 10W-40
SAE Viscosity Grade	SAE J300	10W-40
Kinematic Viscosity @40°C, mm <sup>2</sup> /s	ASTM D445	101,0
Kinematic Viscosity @100°C, mm <sup>2</sup> /s	ASTM D445	14,7
Viscosity Index	ASTM D 2270	151
Flash Point (COC), °C	ASTM D 92	232
Pour Point, °C	ASTM D 97	- 36
Total Base Number, mg KOH/g	ASTM D 2896	6,5
Density @15°C, kg/m <sup>3</sup>	ASTM D 4052	872

✓ ISO 9001

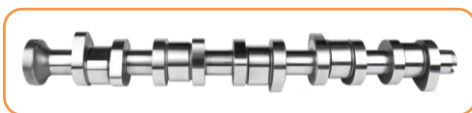
✓ ISO 14001

✓ ISO/TS 16949

✓ OHSAS 18001

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## G-Energy Expert G 10W-40 performance benefits compared to API SG



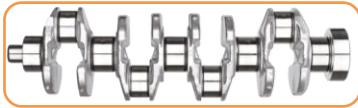
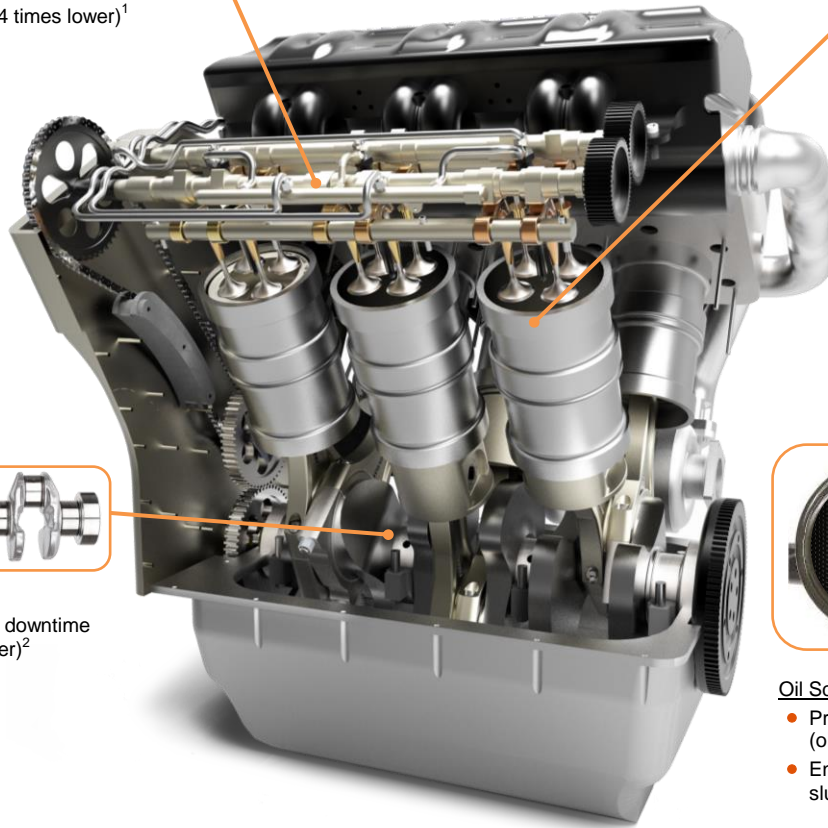
### Valve Train

- Wear protection (wear 4 times lower)<sup>1</sup>



### Cylinder-piston group

- Prolong high mileage engine life (piston deposits 53% cleaner)<sup>1</sup>
- Excellent overall lubrication (control of oil thickening 25% better)<sup>1</sup>



### Crankshaft

- Less unanticipated downtime (bearing wear 26% lower)<sup>2</sup>



### Oil Screen

- Protection against oil starvation (oil screen clogging 33% lower)<sup>3</sup>
- Engine cleanliness (engine sludge 6,5% lower)<sup>3</sup>

1-Sequence IIIF; 2-Sequence VIII (ASTM D 6709); 3- Sequence VG

## 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

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## G-Energy Expert G 10W-40 recommendations\*

Makes	Models	Engines
CHEVROLET	TICO, ESPERO, NEXIA	Gasoline and Diesel before 1997
DAIHATSU	CUORE, MIRA, CHARADE, TREVIS, MOVE, SIRION, YOUNG RV, MATERIA, TERIOS, COPEN	Gasoline before 1998
GAZ	3102, 31029, 3110	Gasoline before 2007
GEELY	BEAUTY LEOPARD, FREE CRUISER, YUANJIN, VISION, MEIRI ULIOU	Gasoline before 2010
HONDA	CIVIC, ACCORD, LEGEND, NSX	Gasoline and Diesel before 1992
HYUNDAI	ACCENT, ELANTRA, MATRIX, SANTA FE, SONATA	Gasoline and Diesel before 1998
JEEP	GRAND CHEROKEE, CHEROKEE	Gasoline and Diesel before 1998
KIA	CARENS, CARNAVAL, MAGENTIS/OPTIMA, SPECTRA/SEPHIA/SHUMA, SPORTAGE	Gasoline and Diesel before 1997
LADA	Все модели	Gasoline before 2000
MAZDA	3, 323, CAPELLA, DEMIO, FAMILIA, PREMACY, VERISA	Gasoline and Diesel before 1998
MITSUBISHI	CARISMA, COLT, GALANT, L200, LANCER, MIRAGE, PAJERO, PININ, SPACE STAR	Gasoline and Diesel before 2000
NISSAN	ALMERA, MAXIMA, MICRA, MARCH, PATHFINDER, PATROL, TERRANO, PRIMERA, SKYLINE	Gasoline and Diesel before 1995
RENAULT	CLIO, LAGUNA	Gasoline before 1995
TOYOTA	CAMRY, CARINA, COROLLA, CORONA, LAND CRUISER, MARK	Gasoline and Diesel before 1992
UAZ	469, 452, 3741, 3151, HUNTER	Gasoline and Diesel before 2003

\* 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.

## G-Energy Expert G 15W-40 and 20W-50

Premium Passenger Vehicle Engine Oil



Adaptive Formula



Engine oil



Mineral



Multigrade



Gasoline and diesel engines



High mileage vehicles

G-Energy Expert G 15W-40 and 20W-50 are high quality mineral engine oils providing power, protection and extended engine life. These oils formulated with improved additive package providing thermal stability, detergent and dispersant properties improving engine cleanliness and prevent the formation of harmful deposits in the engine.

### Applications



- Turbo-charged and direct injection engines
- Gasoline and diesel engines without diesel particulate filters (DPF) requiring oil with API SG/CD standards
- Older engine technologies
- Passenger cars, light trucks and vans

	Features	Advantages and Potential Benefits
	Improved detergent and dispersant properties	Helps to maintain piston cleanliness preventing ring sticking and sludge formation
	Stay-in-grade	Stable viscosity index improver controls the viscosity of the oil throughout its service life for minimizing wear
	Thermal and oxidation stability	Helps to resist oil aging allowing extended drain interval protection
	Wear Protection	Excellent performance in both low and high temperature service for long engine life

#### Meets the requirements:

- API SG/CD

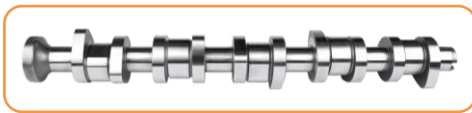
#### Approvals:

- AVTOVAZ

### Typical Characteristics

Properties	Method	G-Energy Expert G 15W-40	G-Energy Expert G 20W-50
SAE Viscosity Grade	SAE J300	15W-40	20W-50
Kinematic Viscosity @40°C, mm <sup>2</sup> /s	ASTM D445	113,0	170,0
Kinematic Viscosity @100°C, mm <sup>2</sup> /s	ASTM D445	14,8	18,2
Viscosity Index	ASTM D 2270	135	119
Flash Point (COC), °C	ASTM D 92	232	245
Pour Point, °C	ASTM D 97	-30	-28
Total Base Number, mg KOH/g	ASTM D 2896	6,5	6,5
Density @15°C, kg/m <sup>3</sup>	ASTM D 4052	880	886

## G-Energy Expert G 15W-40 and 20W-50 performance benefits compared to API SG



### Valve Train

- Wear protection (wear 4 times lower)<sup>1</sup>



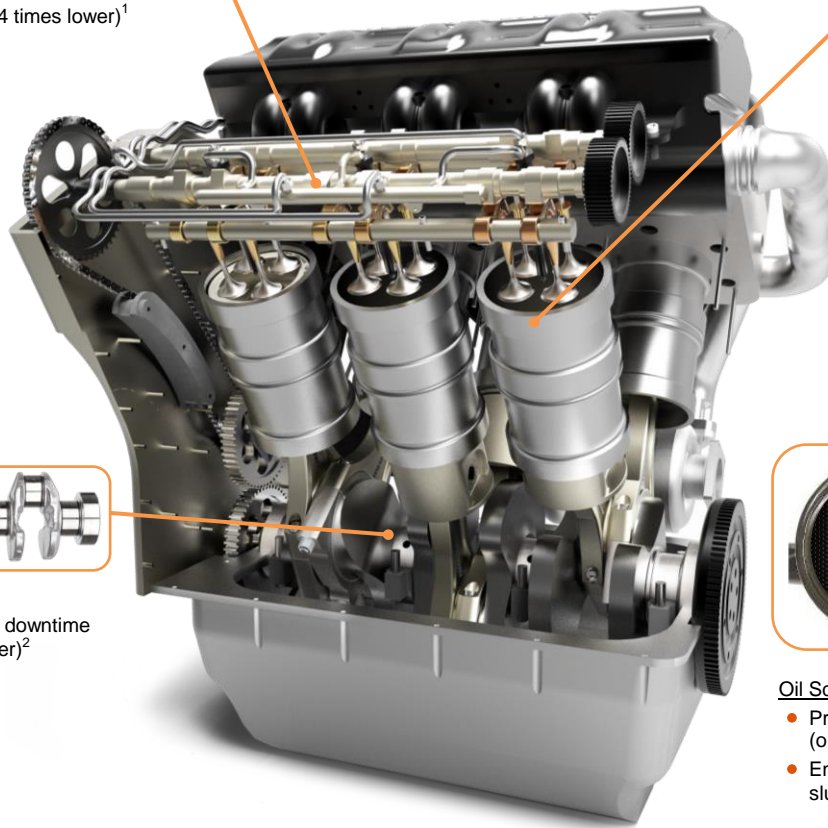
### Cylinder-piston group

- Prolong high mileage engine life (piston deposits 53% cleaner)<sup>1</sup>
- Excellent overall lubrication (control of oil thickening 25% better)<sup>1</sup>



### Crankshaft

- Less unanticipated downtime (bearing wear 26% lower)<sup>2</sup>



### Oil Screen

- Protection against oil starvation (oil screen clogging 33% lower)<sup>3</sup>
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HONDA	CIVIC, ACCORD, LEGEND, NSX	Gasoline and Diesel before 1992
HYUNDAI	ACCENT, ELANTRA, MATRIX, SANTA FE, SONATA	Gasoline and Diesel before 1998
JEEP	GRAND CHEROKEE, CHEROKEE	Gasoline and Diesel before 1998
KIA	CARENS, CARNAVAL, MAGENTIS/OPTIMA, SPECTRA/SEPHIA/SHUMA, SPORTAGE	Gasoline and Diesel before 1997
LADA	All models	Gasoline before 2000
MAZDA	3, 323, CAPELLA, DEMIO, FAMILIA, PREMACY, VERISA	Gasoline and Diesel before 1998
MITSUBISHI	CARISMA, COLT, GALANT, L200, LANCER, MIRAGE, PAJERO, PININ, SPACE STAR	Gasoline and Diesel before 2000
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RENAULT	CLIO, LAGUNA	Gasoline before 1995
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