

## G-Energy Expert L 5W-30, 5W-40, 10W-30, 10W-40 and 20W-50

Premium Passenger Vehicle Engine Oils



Adaptive Formula



Engine oil



High mileage vehicles



Semisynthetic



Gasoline and diesel engines



Multigrade



Excellent wear protection



Mineral (SAE 20W-50)

G-Energy Expert L oils are high performance engine lubricants designed to provide long engine life and exceptional protection against sludge and wear. G-Energy Expert L are formulated with the use of synthetic technology and advanced additive system to provide improved performance level under a variety of driving conditions.

### Applications



- Turbo-charged and direct injection engines
- Gasoline and diesel engines without diesel particulate filters (DPF) requiring oil with ACEA A3/B4 or API SL/CF standards
- Passenger cars, light trucks and vans

	Features	Advantages and Potential Benefits
	Active cleaning agents	Improved piston cleanliness prevents ring sticking and sludge formation
	Improved thermal and oxidation stability	Helps to resist oil aging allowing extended drain interval protection
	Stay-in-grade	Keeps its protective oil film during the whole drain interval and maintains viscosity grade
	Good low temperature performance	Oil flows more quickly and circulates throughout engine at low temperatures to extend engine life
	Enhanced anti-wear additive system	Outstanding wear protection even under high loads and temperatures for long engine life

### Recommendations

- ACEA A3/B4
- API SL/CF
- MB 229.1
- VW 501.01/505.00

### Approvals

- AVTOVAZ (SAE 5W-30, 5W-40, 10W-40)

## Typical Characteristics

Properties	Method	G-Energy Expert L				
		5W-30	5W-40	10W-30	10W-40	20W-50
SAE Viscosity Grade	SAE J300	5W-30	5W-40	10W-30	10W-40	20W-50
Kinematic Viscosity @40°C, mm <sup>2</sup> /s	ASTM D445	68,7	85,4	84,3	97,7	173,5
Kinematic Viscosity @100°C, mm <sup>2</sup> /s	ASTM D445	11,4	14,0	12,3	14,3	19,1
Viscosity Index	ASTM D2270	160	169	148	149	125
Flash Point (COC), °C	ASTM D92	229	233	231	235	251
Pour Point, °C	ASTM D97	-42	-42	-40	-39	-32
Total Base Number, mg KOH/g	ISO 6619	9,1	9,1	9,1	9,1	9,1
Density @15°C, kg/m <sup>3</sup>	ASTM D4052	860	863	870	871	887

## G-Energy Expert L oils performance benefits compared to API SL



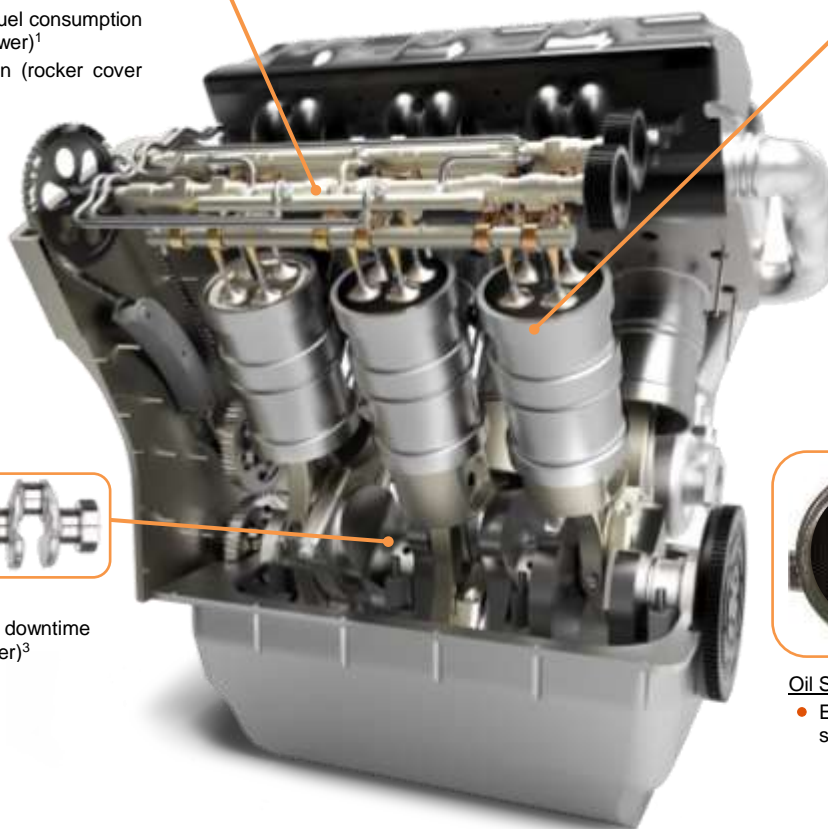
### Valve Train

- Optimized power and fuel consumption (cam wear 2,5 lower lower)<sup>1</sup>
- Lower sludge formation (rocker cover sludge 17% lower)<sup>2</sup>



### Cylinder-piston group

- Good high temperature performance (varnish deposits on piston skirt 8% lower)<sup>1</sup>
- Prolong high mileage engine life (piston deposits 20% cleaner)<sup>1</sup>



### Crankshaft

- Less unanticipated downtime (bearing wear 20% lower)<sup>3</sup>



### Oil Screen

- Engine cleanliness (engine sludge 12% lower)<sup>2</sup>

1-Sequence IIIF; 2-Sequence VG; 3-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 Expert L 5W-30 and 10W-30 recommendations\*

Makes	Models	Engines
CHEVROLET	AVEO, CAPTIVA, LANOS, NIVA, REZZO, VIVA	Gasoline and Diesel before 2006
DACIA	SUPERNOVA, SOLENZA, SANDERO, LOGAN, DUSTER, LODGYM DOKKER	Gasoline before 2004
DAEWOO	MATIZ, NEXIA, GENTRA	Gasoline
DAIHATSU	CUORE, MIRA, CHARADE, TREVIS, MOVE, SIRION, YOUNG RV, MATERIA, TERIOS, COPEN	Gasoline
DATSUN	MI-DO, ON-DO	Gasoline
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
GEELY	BEAUTY LEOPARD, BORUI, FREE CRUISER, EMGRAND, YUANJIN, VISION, GL EAGLE, HOAQING, LC PANDA, MEIRI ULIOU, KING KONG, JINGYING	Gasoline before 2014.
GREAT WALL	FLORID, VOLEEX, COOLBEAR, HAVAL, HOVER	Gasoline before 2011
HAIMA	2, 7, FAMILY, FREEMA, M, S	Gasoline
HONDA	JAZZ, CIVIC, STREAM, ACCORD, LEGEND, HR-V, CR-V, NSX	Gasoline before 2004. and Diesel without particulate filters before 2005
HYUNDAI	ACCENT, GETZ, MATRIX, SANTA FE, SONATA, TERRACAN, TUCSON	Gasoline and Diesel before 2008
KIA	CARENS, CARNAVAL, CERATO, MAGENTIS/OPTIMA, PICANTO, SORENTO, SPECTRA/SEPHIA/SHUMA, SPORTAGE	Gasoline and Diesel before 2008
LADA	All models	Gasoline
LIFAN	320, 520, 620, 720	Gasoline
MAZDA	2,3, 323, 6, ATENZA, CAPELLA, DEMIO, FAMILIA, PREMACY	Gasoline and Diesel before 2004
MITSUBISHI	AIRTREK, CARISMA, COLT, GALANT, GRANDIS, L200, LANCER, CEDIA, LIBERO, MIRAGE, OUTLANDER, PAJERO, PININ, SPORT, SPACE STAR	Gasoline and Diesel before 2009
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 and Diesel without particulate filters
RENAULT (сборка РФ)	CLIO, DUSTER, FLUENCE, LAGUNA, LOGAN, MEGANE, SANDERO, SCENIC, SYMBOL	Gasoline and Diesel without particulate filters
SUBARU	IMPREZA, FORESTER, LEGACY	Gasoline before 2005
SUZUKI	ALTO, CELERIO, WAGON, SPLASH, SWIFT, IGNIS, SX4, LIANA, KIZASHI, JIMNY, VITARA, GRAND VITARA	Gasoline before 2005
TAGAZ	VEGA, TAGER	Gasoline
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

\* 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 L 5W-40, 10W-40 and 20W-50 recommendations\*

Makes	Models	Engines
CHERY	QQ6, CHANCE, M, TENGO, A, INDIS, E5, ARRIZO, RIICH, J11, TIGGO, BOSS, CROSSEASTAR	Gasoline
CHEVROLET	AVEO, CAPTIVA, LANOS, NIVA, REZZO, VIVA	Gasoline and Diesel before 2006
DACIA	SUPERNOVA, SOLENZA, SANDERO, LOGAN, DUSTER, LODGYM DOKKER	Gasoline before 2004
DAEWOO	MATIZ, NEXIA, GENTRA	Gasoline
DAIHATSU	CUORE, MIRA, CHARADE, TREVIS, MOVE, SIRION, YOUNG RV, MATERIA, TERIOS, COPEN	Gasoline
DATSUN	MI-DO, ON-DO	Gasoline
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
GEELY	BEAUTY LEOPARD, BORUI, FREE CRUISER, EMGRAND, YUANJIN, VISION, GL EAGLE, HOAQING, LC PANDA, MEIRI ULIOU, KING KONG, JINGYING	Gasoline before 2014
GREAT WALL	FLORID, VOLEEX, COOLBEAR, HAVAL, HOVER	Gasoline before 2011.
HONDA	JAZZ, CIVIC, STREAM, ACCORD, LEGEND, HR-V, CR-V, NSX	Gasoline before 2004
HYUNDAI	ACCENT, GETZ, MATRIX, SANTA FE, SONATA, TERRACAN, TUCSON	Gasoline and Diesel before 2008
KIA	CARENS, CARNAVAL, CERATO, MAGENTIS/OPTIMA, PICANTO, SORENTO, SPECTRA/SEPHIA/SHUMA, SPORTAGE	Gasoline and Diesel before 2008
LADA	All models	Gasoline
LIFAN	320, 520, 620, 720	Gasoline
MAZDA	2,3, 323, 6, ATENZA, CAPELLA, DEMIO, FAMILIA, PREMACY	Gasoline and Diesel before 2004
MITSUBISHI	AIRTREK, CARISMA, COLT, GALANT, GRANDIS, L200, LANCER, CEDIA, LIBERO, MIRAGE, OUTLANDER, PAJERO, PININ, SPORT, SPACE STAR	Gasoline and Diesel before 2009
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 and Diesel without particulate filters
RENAULT (сборка РФ)	CLIO, DUSTER, FLUENCE, LAGUNA, LOGAN, MEGANE, SANDERO, SCENIC, SYMBOL	Gasoline
SUZUKI	ALTO, CELERIO, WAGON, SPLASH, SWIFT, IGNIS, SX4, LIANA, KIZASHI, JIMNY, VITARA, GRAND VITARA	Gasoline and Diesel without particulate filters before 2005
TAGAZ	VEGA, TAGER	Gasoline
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

\* 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.