



## G-Energy Far East

### 0W-20, 5W-20, 5W-30, 10W-30

### Fully Synthetic Performance

#### Product description

G-Energy Far East 0W-20, 5W-20, 5W-30, 10W-30 are fully synthetic engine oils intended for the most up-to-date gasoline engines of passenger cars, light trucks, off-roaders, minibuses of Japanese, Korean and American make, which require the energy-saving oils of ILSAC GF-5 level. G-Energy Far East 0W-20, 5W-20, 5W-30, 10W-30 engine oils surpass the oils compliant with ILSAC GF-4 requirements as far as performance characteristics is concerned.

#### Merits

- **Fuel saving**

It ensures fuel efficiency owing to the use of specifically selected composition of baseline oils and additives package, including the up-to-date friction modifiers. It has been proven by passing the Sequence VID test in GM V6 3.6L engine of 2008 year model.

- **Cleanness of engine parts**

Oils ensure engine cleanness, protect it against formation of slimes, carbon deposit and glaze at the engine parts. They meet the strict requirements of ILSAC GF-5 category to piston cleanness (formation of high-temperature deposits).

- **Protection of turbocharging system**

It ensures a reliable protection of internal turbocharging surfaces against different deposits, blocking oil passages and, as a result, prevents a turbocharger failure, which has been proven by passing a test for thermo-oxidative stability of engine oil TEOST 33C.

- **Compatibility with materials of seals**

Oils are compatible with the most widely used materials of seals, which fact has been proven by passing the tests prescribed in ILSAC GF-5 specification (compatible with seals such as: polyacrylate rubber, nitrile rubber, silicic rubber, fluorocarbon rubber and ethylene acrylic rubber).

- **Compatibility with bio fuel E-85**

In case of vehicle operation using E-85 fuel (85% of ethyl alcohol + 15% of conventional gasoline) the oils prevent corrosion of engine internal surfaces and maintain water being generated as a result of bio fuel combustion in the form of emulsion.

#### Application

- for up-to-date gasoline engines of passenger cars, light trucks, off-roaders, minibuses of Japanese, Korean and American make;
- in engines of other manufacturers, which require API SN/ILSAC GF-5 or earlier API SM; SL/ILSAC GF-4; GF-3 quality level.



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## Specifications and approvals

**G-Energy Far East 0W-20, 5W-20, 5W-30, 10W-30 oils have been approved by:**

- API SN (license)
- ILSAC GF-5

## Physical and chemical characteristics

<b>G-Energy Far East</b>		<b>0W-20</b>	<b>5W-20</b>	<b>5W-30</b>	<b>10W-30</b>
Kinematic viscosity:					
• at 40°C, mm <sup>2</sup> /s	ASTM D 445	43,5	46,8	64,5	63
• at 100°C, mm <sup>2</sup> /s	ASTM D 445	8,3	8,4	11,3	10,2
Viscosity index	ASTM D 2270	170	157	170	150
Total Base Number, mg KOH/g	ASTM D2896	7,9	7,9	7,9	7,9
Open-cup flash-point, °C	ASTM D 92	226	233	228	236
Pour point, °C	ASTM D 97	-45	-42	-42	-36
Density at 15°C kg/m <sup>3</sup>	ASTM D 1298	848	851	852	857

## Health and safety

G-Energy Far East 0W-20, 5W-20, 5W-30, 10W-30 oils do not pose any threat to health and danger to environment in case of abundance by the personal and industrial hygiene rules as well as in case of due utilization in the recommended fields of application. Avoid any contact between oil and skin. Use protective mittens/gloves in the course of oil replacement. In case of oil contact with skin it is necessary to flush it immediately using water and soap. Ref. material safety data sheet for more information in this respect.

## Environmental protection

The spent oil and the product remnants are subject to mandatory collection into hermetically sealed containers and transfer to the spent oil collection stations. Do not discharge any spent oil to sewerage system, soil or water bodies.



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