

A Formula 1 car, white with orange and purple accents, is shown from a side profile, driving on a track. The car features the 'G-ENERGY' logo on the front wing and 'GAMES OF THE FUTURE' on the sidepods. The background is a blurred racetrack with red and white curbs.

G-ENERGY

A Formula 1 car, white with orange and purple accents, is shown from a side profile, driving on a track. The car features the 'G-ENERGY' logo on the front wing and 'GAMES OF THE FUTURE' on the sidepods. The background is a blurred racetrack with blue and white curbs.

LUBRICANTS,
COOLANTS AND TECHNICAL FLUIDS
FOR PASSENGER CARS AND SMALL
COMMERCIAL VEHICLES

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GAZPROMNEFT – LUBRICANTS COMPANY*

2007

YEAR
OF FOUNDATION

550K

TONS OF OILS, GREASES
AND TECHNICAL FLUIDS
PER YEAR

> 55

COUNTRIES — GEOGRAPHY
OF EXPORT

4

PRODUCTION
SITES

4

REPRESENTATIVE OFFICES
IN RUSSIA, BELARUS,
KAZAKHSTANCERTIFICATION ACCORDING
TO INTERNATIONAL STANDARDS

✓ ISO 9001

✓ ISO 14001

✓ ISO 45001

ISO 9001 — customer confidence in product quality.

ISO 14001 — taking measures to prevent negative environmental impact.

ISO 45001 — protecting and preserving the health and safety of workers and the public.

• YAROSLAVL

FRYAZINO • • NIZHNIY
NOVGOROD

• OMSK

- OMSK LUBRICANTS PLANT (OZSM)
- YAROSLAVL (YANOS PJSC)
- FRYAZINO (MOSCOW LUBRICANTS PLANT)
- NIZHNY NOVGOROD (ROSPOLIKHIM)

* The information is relevant for 2024.



Brand History

2010

G-ENERGY

Launching the G-Energy brand on the market

2011

New modern production in Russia —
Moscow Lubricants Plant (MZSM)

2012

Modernization of the Omsk Lubricants
Plant (OZSM). OZSM is becoming
one of the most modern plants in Europe

2013

G-Energy oils have successfully passed
the first test of international races:
Formula Renault, Dakar Rally Marathon
and Africa Eco Race

2014

Launch of G-Energy Far East motor oils
for Japanese, Korean and American cars

2015

G-ENERGY SERVICE

First service station opened in Russia
under the international G-Energy
Service program

2016

Launch of the advertising concept
“Adaptation to any situation”

2017



Production of own base oils
of the third group — G-Base

2018

Launch of G-Energy Synthetic line
of modern synthetic motor oils

2019

G-Energy Synthetic
Super Start engine oil
has passed the European
fuel efficiency test.
Fuel economy of 2%
has been confirmed
by the ISP Testing Institute
laboratory in Germany.



2020

G-LAB

Launch of the G-Lab predictive
diagnostic digital service.

2021

G-Energy has become a technical partner
of one of the stages of the Russian
Rally Raid Championship

2022

Two-time world rally raid champion Anastasia
Nifontova becomes the main ambassador
of the G-Energy brand and represents
G-Energy in the Russian Rally Raid Championship

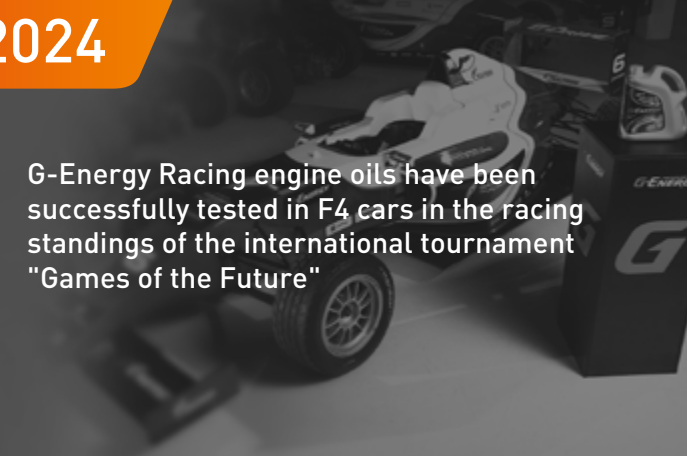


2023

The flagship F Synth line has been updated.
Launch of an advertising campaign
with a new concept of “Keep your engine fit”

2024

G-Energy Racing engine oils have been
successfully tested in F4 cars in the racing
standings of the international tournament
“Games of the Future”



G-ENERGY ENGINE OIL

INNOVATIVE BRAND



DIRECTED ACTION

PROVEN EFFECTIVENESS

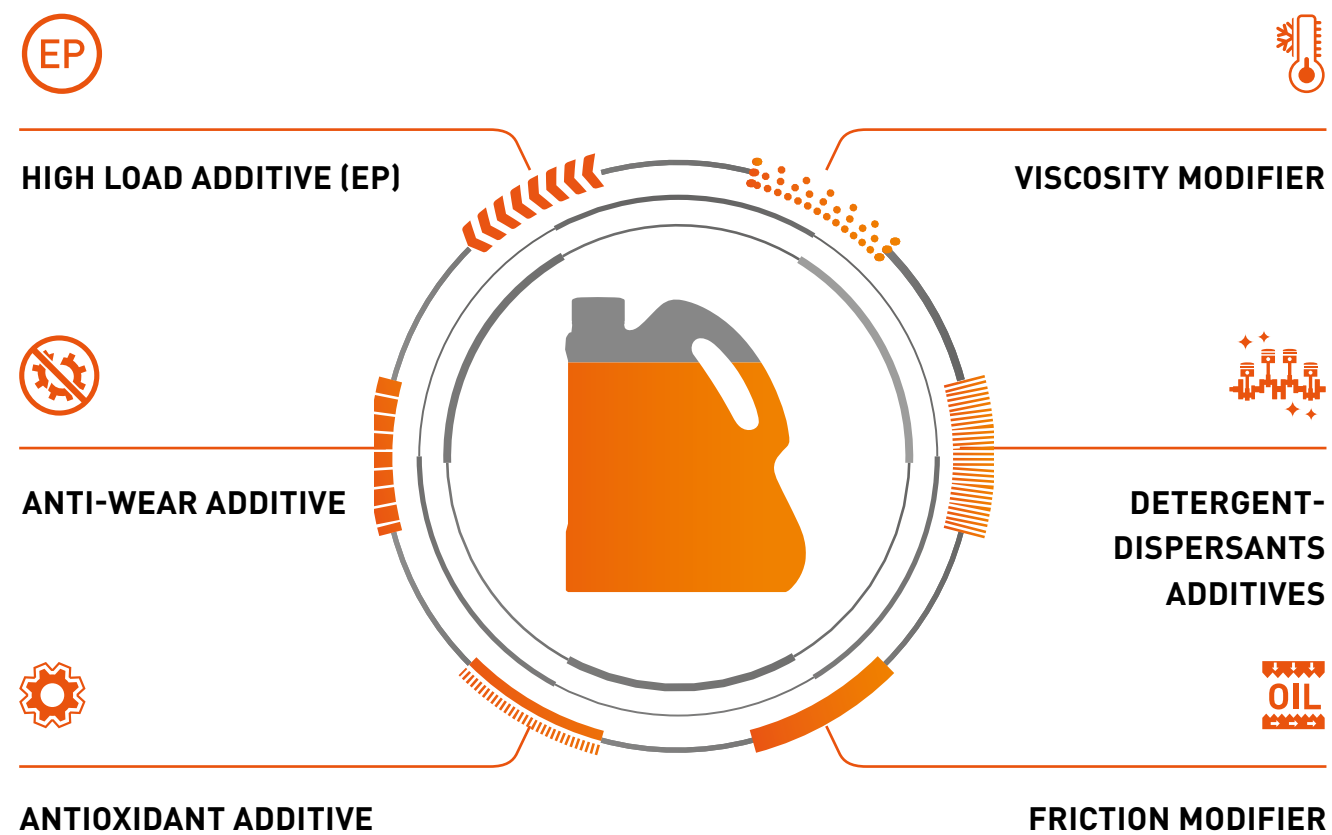


AT THE PEAK OF NEW TECHNOLOGIES

ONE STEP AHEAD OF EXPECTATIONS

G-ENERGY OILS

ACTIVE INGREDIENTS



DIRECTIONAL ADDITIVES ALLOW TO ENHANCE THE REQUIRED OIL PERFORMANCE PROPERTIES DEPENDING ON THE ENGINE OPERATING MODES, ACTIVATING THE NECESSARY COMPONENTS AT THE RIGHT MOMENT AND PROVIDING ENGINE PROTECTION UNDER DIFFERENT OPERATING MODES.

FORCED MODE

- protection of engine parts at maximum speeds

ROUTE MODE

- ensuring maximum engine life



UNIVERSAL MODE

- instant adaptation to different driving styles

TRAFFIC JAM MODE

- keeping the engine clean
- stable pressure in the lubrication system



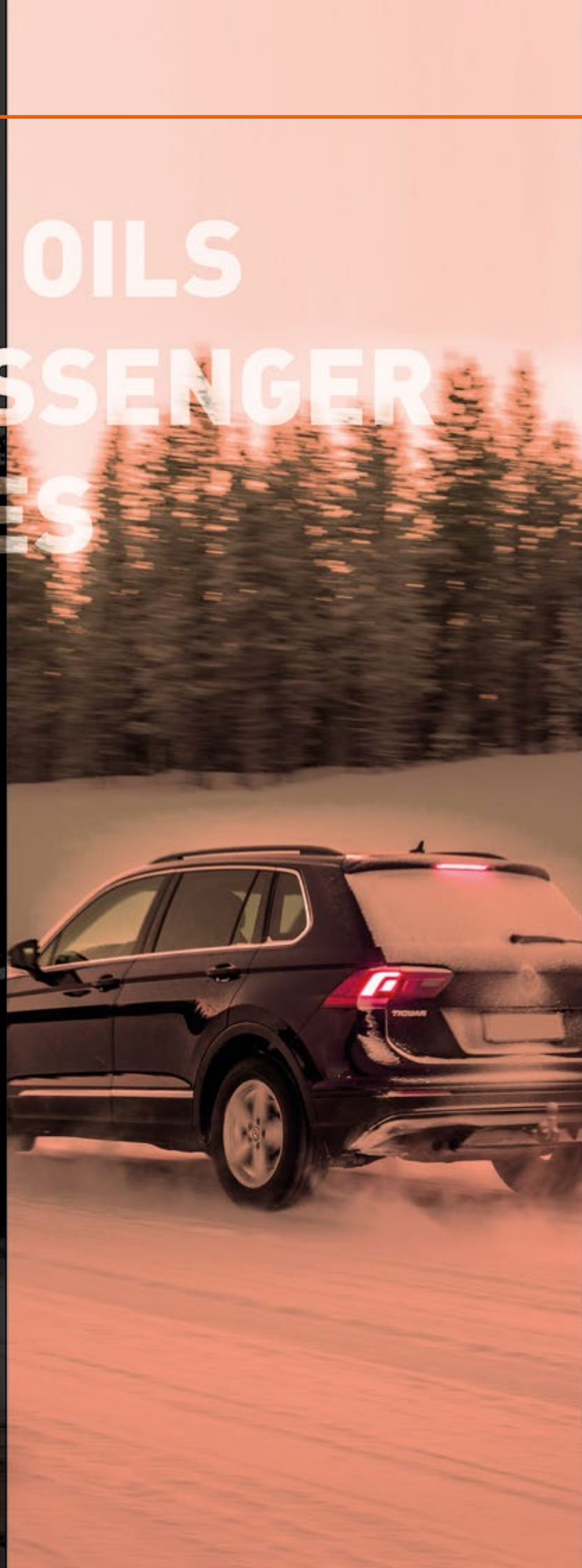
COLD START

- easier engine start
- fast lubrication of engine parts

RARE USE

- preservation of the protective film on the engine parts during prolonged parking

ENGINE OILS FOR PASSENGER VEHICLES



G-ENERGY
F SYNTH

Fully synthetic engine oils for
the latest generation engines



G-ENERGY
SYNTHETIC

Synthetic engine oils for a wide
fleet of vehicles and different
types of engines, including
those with mileage



G-ENERGY
RACING

Fully synthetic engine oils for
boosted sports car engines

FULLY SYNTHETIC G-ENERGY F SYNTH ENGINE OILS

**PRESERVES THE HEALTH OF THE ENGINE
IN ALL OPERATING MODES**

FOR THE LATEST GENERATION ENGINES

**COMPLIES WITH THE LATEST SAE, API AND ACEA
INTERNATIONAL STANDARDS**

- ✓ INCREASED engine wear protection
- ✓ PROTECTION AGAINST THE EFFECT OF LSPI (premature ignition of fuel)
- ✓ EXCELLENT LOW TEMPERATURE PROPERTIES¹
- ✓ HIGH THERMAL AND OXIDATIVE STABILITY¹

G-ENERGY F SYNTH



Polyalphaolefins



Enhanced targeted formula
based on magnesium and
molybdenum⁷



Fully synthetic
G-Base technology



G-ENERGY F SYNTH C2/C3 5W-30

Specifications:

ACEA C3, ACEA C2, API SP, API SN, BMW Longlife-04, Chrysler MS-11106, dexos2, Fiat 9.55535-S1, Fiat 9.55535-S3, Iveco 18-1811 SC1, MB 229.31, MB 229.51, MB 229.52, Opel-Vauxhall 0V0401547, PSA B71 2290 (< 2022 m.y.), VW 505 00, VW 505 01

- Suitable for vehicles of high environmental standard⁵
- Enhanced oil formula provides comprehensive engine protection

G-ENERGY F SYNTH C2/C3 5W-30



PREVENTS THE DESTRUCTION OF PISTONS FROM THE LSPI EFFECT (PREMATURE FUEL IGNITION)



TAKES CARE OF THE EXHAUST GAS AFTERTREATMENT SYSTEM¹



RELIABLY PROTECTS CRANKSHAFT BEARINGS FROM WEAR AT HIGH TEMPERATURES¹



G-ENERGY F SYNTH W 0W-30

Specifications:

ACEA C3, Porsche C30, VW 504 00, VW 507 00

- Meets the specific requirements of Volkswagen AG for oils
- Energy saving¹
- Suitable for gasoline and diesel engines equipped with particulate filters

G-ENERGY F SYNTH W 0W-30



TAKES CARE OF THE EXHAUST GAS AFTERTREATMENT SYSTEM¹



FUEL EFFICIENT¹



EASY START-UP AND PROTECTION IN SUB-ZERO TEMPERATURES



CAN BE USED AT EXTENDED REPLACEMENT INTERVALS

¹ Confirmed by laboratory tests.

² According to automobile manufacturer's recommendations.

³ Freezing point -45 °C according to GOST 20287, method B.

⁴ Until June 2024 - in products with viscosity 0W-30/0W-40, from June 2024 - in all G-Energy F Synth products.

⁵ EURO 5 and higher.

⁶ Optimum flow/viscosity characteristics.

⁷ In all products of the G-Energy F Synth range, except for G-Energy F Synth C2/C3 5W-30.



G-ENERGY F SYNTH EC 0W-30

Specifications:

ACEA A5/B5, ACEA A1/B1, API SP, API SN, API CF, Renault RN700, Volvo 95200377

- Energy-saving oil¹
- Has excellent low-temperature properties and protects the engine from wear immediately after start-up¹
- sProvides protection for engines with a direct fuel injection system²

G-ENERGY F SYNTH EC 0W-30

GDI
T-GDI

SPECIALLY DEVELOPED FOR
DIRECT INJECTION ENGINES²

35
t °C

EASY START-UP AND PROTECTION
IN SUB-ZERO TEMPERATURES³

EC

SAVES FUEL¹



G-ENERGY F SYNTH EC 5W-30

Specifications:

ACEA A7/B7, ACEA A5/B5, ACEA A1/B1, API SP, API SN, API CF, Fiat 9.55535-G1, Ford WSS-M2C913-D, Ford WSS-M2C913-C, Ford WSS-M2C913-B, Ford WSS-M2C913-A, Jaguar Land Rover STJLR.03.5003, Renault RN700

- Energy-saving oil¹
- Provides protection for engines with a direct fuel injection system²
- Enhanced protection of the timing chain from wear

G-ENERGY F SYNTH EC 5W-30

PREVENTS PISTON FAILURE
FROM THE LSPI EFFECT¹
(PREMATURE FUEL IGNITION)

EC

FUEL SAVING¹

GDI
T-GDI

SPECIALLY DEVELOPED
FOR DIRECT INJECTION ENGINES²

INCREASED OXIDATION STABILITY¹

¹Confirmed by laboratory tests.

²According to automobile manufacturer's recommendations.

³Freezing point -45 °C according to GOST 20287, method B.

⁴Until June 2024 - in products with viscosity 0W-30/0W-40, from June 2024 - in all G-Energy F Synth products.

⁵EURO 5 and higher.

⁶Optimum flow/viscosity characteristics.

⁷In all products of the G-Energy F Synth range, except for G-Energy F Synth C2/C3 5W-30.



G-ENERGY F SYNTH 0W-30

Specifications:

ACEA A3/B4, ACEA A3/B3, API SP, API SN, API CF, BMW Longlife-01 (< 2019 m.y.), MB 229.5, MB 229.3, MB 226.5, PSA B71 2293, PSA B71 2296, Renault RN700, Renault RN710, VW 502 00, VW 505 00

- Ready to work in extreme cold weather
- PAO base provides high thermo-oxidative stability and excellent low-temperature properties¹

G-ENERGY F SYNTH 0W-30



EASY START-UP AND INSTANT PROTECTION IN SUB-ZERO TEMPERATURES³



ENHANCED PROTECTION OF TURBOCHARGED ENGINES²



REDUCED OIL CONSUMPTION DUE TO LOW VAPORIZATION RATE¹



G-ENERGY F SYNTH 0W-40

Specifications:

ACEA A3/B4, ACEA A3/B3, API SP, API SN, API CF, BMW Longlife-01 (< 2019 m.y.), MB 229.5, MB 229.3, MB 226.5, Porsche A40, Renault RN700, Renault RN710, VW 502 00, VW 505 00

- Ready to work in heat and extreme cold conditions
- PAO base provides high thermo-oxidative stability and excellent low-temperature properties¹
- Increased protection of diesel engines

G-ENERGY F SYNTH 0W-40



EASY START-UP AND INSTANT PROTECTION IN SUB-ZERO TEMPERATURES³



WIDE TEMPERATURE RANGE²



SUITABLE FOR THE BEST WEAR PROTECTION OF DIESEL ENGINES

¹ Confirmed by laboratory tests.

² According to automobile manufacturer's recommendations.

³ Freezing point -45 °C according to GOST 20287, method B.

⁴ Until June 2024 - in products with viscosity 0W-30/0W-40, from June 2024 - in all G-Energy F Synth products.

⁵ EURO 5 and higher.

⁶ Optimum flow/viscosity characteristics.

⁷ In all products of the G-Energy F Synth range, except for G-Energy F Synth C2/C3 5W-30.



G-ENERGY F SYNTH 5W-30

Specifications:

ACEA A3/B4, ACEA A3/B3, API SP, API SN, API CF, BMW Longlife-01 (< 2019 m.y.), General Motors LL-A/B-025, MB 229.5, MB 229.3, MB 226.5, Renault RN700, Renault RN710, VW 502 00, VW 505 00

- Suitable for intensive driving, providing immediate engine response to accelerator pedal pressure⁶
- Due to a reinforced formula based on magnesium and organic molybdenum, it protects the engine from wear and premature fuel ignition¹

G-ENERGY F SYNTH 5W-30



THE EFFICIENCY OF THE ENGINE DUE TO THE SPEED OF THE VALVE ACTUATOR⁶



PREVENTS THE DESTRUCTION OF PISTONS FROM THE EFFECT OF LSPI (PREMATURE IGNITION OF FUEL)



HAS AN ENHANCED SUPPLY OF NEUTRALIZING AND CLEANING PROPERTIES¹



G-ENERGY F SYNTH 5W-40

Specifications:

ACEA A3/B4, ACEA A3/B3, API SN, API CF, BMW Longlife-01 (< 2019 m.y.), General Motors LL-B-025, MB 229.5, Porsche A40, PSA B71 2296, Renault RN700, Renault RN710, VW 502 00, VW 505 00, JSC AVTOVAZ

- High detergent and neutralizing properties¹
- Protects engines with direct fuel injection system²

G-ENERGY F SYNTH 5W-40



RETAINS VISCOSITY-TEMPERATURE CHARACTERISTICS THROUGHOUT THE ENTIRE SERVICE LIFE²



HAS AN ENHANCED SUPPLY OF NEUTRALIZING AND CLEANING PROPERTIES¹



INCREASED PROTECTION OF DIESEL ENGINES

¹ Confirmed by laboratory tests.

² According to automobile manufacturer's recommendations.

³ Freezing point -45 °C according to GOST 20287, method B.

⁴ Until June 2024 - in products with viscosity 0W-30/0W-40, from June 2024 - in all G-Energy F Synth products.

⁵ EURO 5 and higher.

⁶ Optimum flow/viscosity characteristics.

⁷ In all products of the G-Energy F Synth range, except for G-Energy F Synth C2/C3 5W-30.

G-ENERGY SYNTHETIC ENGINE OILS

**PROACTIVE ENGINE PROTECTION
DUE TO A BALANCED FORMULA**

**FOR A WIDE FLEET OF VEHICLES AND DIFFERENT
TYPES OF ENGINES, INCLUDING THOSE WITH MILEAGE**

**COMPLIES WITH INTERNATIONAL STANDARDS
SAE, API AND ACEA**

✓ **PREVENTION OF DEPOSITS**
in the engine due to
enhanced detergent
and dispersing properties

✓ **HIGH ANTIOXIDATION
PROPERTIES**

G-ENERGY

SYNTHETIC



Directional
additives



Fully synthetic
G-Base technology





G-ENERGY SYNTHETIC ECO LIFE 0W-20

Specifications:

ACEA C5, API SP, Renault RN17 FE, VOLVO VCC RBS0-2AE

- Ensures efficient operation of the engine in all operating modes: at cold start, in city and highway mode
- Provides high fuel economy compared to standard oils
- Provides easy starting and instant protection of engine parts at sub-zero temperatures
- Extends the life of catalytic converters and exhaust filters



G-ENERGY SYNTHETIC SUPER START 5W-30

Specifications:

ACEA C3, ACEA C2, API SP, BMW Longlife-04 (< 2019 m.y.), dexos2, Fiat 9.55535-S1, Fiat 9.55535-S3, Iveco 18-1811 SC1, MB 229.51, MB 229.52, MB 229.31, Opel-Vauxhall OV0401547, Renault RN17, VW 505 00, VW 505 01

- Provides easy engine starting when used in all climatic zones, including at low temperatures
- Protects the engine from low-temperature deposits during engine warm-up
- Prevents negative consequences when starting the engine
- Provides smoothness and reduction of engine noise throughout the entire period of operation: from start to stop
- Compatible with exhaust gas emission reduction systems due to reduced ash content



G-ENERGY SYNTHETIC SUPER START 0W-30

Specifications:

ACEA C3, ACEA C2, API SP, API SN, API CF, BMW Longlife-04, Chrysler MS 90047, dexos2, Fiat 9.55535-DS1, Fiat 9.55535-GS1, Ford WSS-M2C-950-A, Jaguar Land Rover STJLR.03.5007, MB 229.51, MB 229.52, MB 229.31, Opel-Vauxhall OV0401547, PSA B71 2302 (< 2022 m.y.), PSA B71 2312 (< 2022 m.y.)

- Provides easy engine starting when used in all climatic zones, including arctic regions
- Protects the engine from low and high temperature deposits
- Prevents wear and dry friction when starting and running on an unheated engine
- Ensures smooth and quiet engine operation throughout the entire period of operation: from start to stop,
- Ensures fuel economy
- Compatible with exhaust gas emission reduction systems due to reduced ash content



G-ENERGY SYNTHETIC SUPER START 5W-40

Specifications:

ACEA C3, API SP, API SN, BMW Longlife-04 (< 2019 m.y.), dexos2, Fiat 9.55535-S2, Ford WSS-M2C917-A, MB 229.51, MB 229.52, MB 229.31, Porsche A40, VW 505 00, VW 505 01

- Provides easy engine starting when used in all climatic zones, including at low temperatures
- Protects the engine from low-temperature deposits when the engine is warmed up
- Prevents negative consequences when starting the engine
- Ensures smooth operation and noise reduction of the engine throughout the entire period of operation: from start to stop
- Compatible with exhaust gas toxicity reduction systems due to reduced ash content



G-ENERGY SYNTHETIC EXTRA LIFE 5W-30

Specifications:

ACEA C3, API SN, BMW Longlife-04, MB 229.51, MB 229.31, Porsche C30, VW 504 00, VW 507 00

- Special development for the engine of the German concern cars, taking into account the requirements of VW 507 00/504 00
- It is a product with a reduced content of sulfate ash, sulfur and phosphorus. Complies with ACEA C3 requirements, compatible with exhaust gas cleaning systems
- Fully synthetic base base provides high oil stability against oxidation
- Reliably protects against wear even under high loads
- High resistance to the formation of high-temperature and low-temperature deposits



G-ENERGY SYNTHETIC ACTIVE 5W-40

Specifications:

ACEA A3/B4, ACEA A3/B3, API SN, API CF, BMW Longlife-01 (< 2019 m.y.), MB 229.3, Porsche A40, Renault RN700, Renault RN710, VW 502 00, VW 505 00, JSC AVTOVAZ

- Excellent engine protection during active driving (city/highway, sudden acceleration in stop/start mode) due to the stability of the oil film
- Preventing the formation of deposits at elevated temperatures in all operating modes
- Maximum engine protection at high speeds: both for short-term accelerations and for long-term driving at high speed
- Effectively neutralizes unwanted combustion products with increased fuel consumption in active vehicle operation
- Maintaining the cleanliness of engine parts by preventing the formation of deposits and high cleaning properties



G-ENERGY SYNTHETIC ACTIVE 5W-30

Specifications:

ACEA A3/B4, ACEA A3/B3, API SL, API CF, BMW Longlife-01 (< 2019 m.y.), MB 229.3, Renault RN700, Renault RN710, VW 502 00, VW 505 00, JSC AVTOVAZ

- Excellent engine protection during active driving (city/highway, sudden acceleration in stop/start mode) due to the stability of the oil film
- Preventing the formation of deposits at elevated temperatures in all operating modes
- Maximum engine protection at high speeds: both for short-term accelerations and for long-term driving at high speed
- Effectively neutralizes unwanted combustion products with increased fuel consumption in active vehicle operation
- Maintaining the cleanliness of engine parts by preventing the formation of deposits and high cleaning properties



G-ENERGY SYNTHETIC LONG LIFE 10W-40

Specifications:

ACEA A3/B4, ACEA A3/B3, API SN, GM LL-A/B-025, MB 229.3, PSA B71 2300, Renault RN710, Renault RN700, VW 501 01, VW 502 00, VW 505 00, JSC AVTOVAZ

- Synthetic product compliant with API SN requirements — optimal solution for engines requiring SAE 10W-40 viscosity (according to car manufacturer's recommendations).
- Possibility to increase the drain interval in comparison with API SL mineral or semi-synthetic oils according to the automaker's recommendations
- Maintains engine cleanliness, neutralizes the negative effects of fuel of variable quality quality
- Reliably protects against wear and tear, saving on unscheduled repairs
- Maintains operating life and engine life due to resistance to the formation of both low-temperature and high-temperature deposits



G-ENERGY SYNTHETIC FAR EAST 0W-16

Specifications:

API SP, ILSAC GF-6B

- Developed specifically for hybrid vehicles from Asian manufacturers
- Provides better fuel economy than standard oils
- Provides optimal wear protection for engine parts and timing chain
- Maximizes engine efficiency through reduced viscosity grade and low high-temperature viscosity under high shear rate conditions (HTHS ≥ 2.3 mPa·C)
- Reduces the likelihood of LSPI (Low speed pre-ignition) effects



G-ENERGY SYNTHETIC FAR EAST 0W-20, 0W-30, 5W-20, 5W-30, 10W-30

Specifications:

API SP, ILSAC GF-6A, dexos1 Gen2

- Designed specifically for Asian and American vehicles
- Provide better fuel economy than standard oils
- Keep engine parts clean due to increased resistance to high-temperature deposits (on pistons and in the turbocharger)
- Maximize engine performance
- Fully compatible and inert with modern seal materials, preventing leakage

G-ENERGY RACING SYNTHETIC MOTOR OILS

**BETTER PERFORMANCE
UNDER EXTREME RACING CONDITIONS**

FOR BOOSTED SPORTS CAR ENGINES

MAXIMUM PERFORMANCE

✓ **HIGH MOTOR POWER
CHARACTERISTICS**
due to effective friction
reduction

✓ **ENGINE PROTECTION
IN HARSH OPERATING
CONDITIONS**
(dirt, dust, high fuel dilution,
high speed)

G-ENERGY RACING

★ CHOICE OF WINNERS

PHYGITAL
**GAMES OF
THE FUTURE**

SMP RACING
Программа развития российского автоспорта

G-DRIVE RACING



PAO

Polyalphaolefins

ESTER

Complex ether

Mg Mo

Enhanced targeted formula
based on magnesium and molybdenum*

G-ENERGY RACING 5W-40

Specifications:

ACEA A3/B4, ACEA A3/B3, API SP, API SN, BMW Longlife-01 (< 2019 m.y.), MB 229.5., MB 229.3, MB 226.5, Renault RN700, Renault RN710, VW 502.00, VW 505.00

- Confident engine starting in cold weather due to high oil pumpability at sub-zero temperatures
- Preservation of engine parts cleanliness due to prevention of deposit formation and high detergent properties
- High engine performance due to friction reduction and presence of esters in its composition
- Provides maximum overhaul mileage due to excellent anti-wear properties
- Ensures reliable engine operation under forced operation due to a particularly strong oil film and stable viscosity.

RESEARCH RESULTS OF G-ENERGY RACING 5W-40
IN RACING CONDITIONS WITHIN THE FRAMEWORK
OF THE «GAMES OF THE FUTURE» AT THE SIRIUS CIRCUIT

MACHINERY

Formula 4

MAXIMUM SPEED

240 km/h

RPM

6 000 RPM



The load on the engine and components of the car on the track is **6 TIMES HIGHER** than the urban mode of operation with uneven movement (acceleration — braking) in traffic jams.

The oil has shown high anti-wear and antioxidant properties in conditions of ultra-high loads of circuit racing.

The high alkaline number (11.8 mg KOH/g) demonstrates how well the detergent-dispersing properties are preserved, which neutralize the acids and acid oxides formed during fuel combustion.

The change in kinematic viscosity at 100 degrees lies within very small limits and indicates reliable protection of parts lubricated under pressure: crankshafts and camshafts.

KEY OIL
INDICATORS

WEAR INDICATORS	0 MG/KG
BASE NUMBER	11.8 MG KOH/G
CHANGE IN VISCOSITY	<2%



G-ENERGY RACING 15W-50, 10W-60, 20W-60

Specifications:

ACEA A3/B4, API SP, API SN

- Confident engine protection under very high loads due to high anti-wear properties
- High engine performance due to friction reduction and esters in the formulation
- Ensures reliable engine operation at high boost conditions due to a particularly strong oil film and stable viscosity.
- Keeps engine parts clean due to the absence of deposits and a reserve of detergent properties



OILS FOR G-BOX ATF
AUTOMATIC GEARBOXES,
G-BOX MEDIA VARIATORS
AND G-BOX DCT ROBOTIC GEARBOXES



G-BOX ATF AUTOMATIC TRANSMISSION OILS

Product name	Base	Change interval	Protection against the formation of deposits	Friction protection	Viscosity stability	Low temperature properties
G-Box ATF DX VI						
G-Box ATF Far East						
G-Box ATF DX III						
G-Box Expert ATF DX III						
G-Box ATF DX II						

OIL FOR VARIATORS

Product name	Base	Change interval	Protection against the formation of deposits	Friction protection	Viscosity stability	Low temperature properties
G-Box CVT						

OIL FOR ROBOTIC GEARBOXES

Product name	Base	Change interval	Protection against the formation of deposits	Friction protection	Viscosity stability	Low temperature properties
G-Box DCT						

Property icon



Synthetic oils



Semi-synthetic oils



Mineral oils

The level of operational properties





G-BOX ATF DX VI

Synthetic transmission oil developed for use in automatic transmissions of the latest generation, where the use of Dexron VI level fluids is required.

Specifications:

Aisin Warner AW-1, BMW 83 22 0 397 114, General Motors DEXRON IIIG, General Motors DEXRON IIH, General Motors DEXRON VI, Honda ATF DW-1, Honda Z-1, Hyundai/Kia SP-IV, JASO M315-2013 1A-LV, Mazda ATF FZ, Mitsubishi Diaqueen SP-IV, Nissan Matic-S, Toyota WS



G-BOX ATF FAR EAST

Synthetic gear oil for automatic gearboxes of Asian manufacturers (Aisin, Jatco), which are equipped with both Asian and European cars.

Specifications:

Aisin JWS 3309, Audi 5 HP LT71141, Audi G 052 162-A1/A2 (ZF Lifeguardfluid 5) [ZF No. S671 090 170], Audi G 055 025-A2 (JWS3309), BMW JWS 3309 (T-IV), BMW LT 71141 (83 22 9 407 807), BMW ZF 5HP18FL, Chrysler/Dodge MOPAR AS68 RC (T-IV), Daewoo LT 71141, Daihatsu AMMIX ATF D-III SP, Esso LT 71141, Fiat 9.55550-AV1 (JWS3309 ATF, Ford MERCON, Ford WSS-M2C922 A1, General Motors DEXRON IIH, GM 88900925, GM 93160393, GM 9986195, Honda ATF Z-1, Hyundai/Kia JWS 3314, Hyundai/Kia SP-III, Isuzu Besco ATF-II/ATF-III, Jaguar ATF LT71141, JASO M315-1A/2A, JWS 3309, Mazda ATF 3317, Mazda ATF D-II, Mazda ATF M-III, Mini Cooper T-IV, Mitsubishi SP-II/III, Nissan Matic-C/D/J/K/S, Perodua ATF DIII/ D3-SP, Peugeot/Citroen Z 000169756, Porsche 999 917 547 00 (A2), Porsche T-IV (JWS 3309), Saab T-IV (JWS 3309), Saturn T-IV (JWS 3309), Subaru ATF HP, Suzuki ATF 3317, Suzuki JWS 3309, T-IV), Toyota ATF D-II/D-III, Toyota JWS 3309, Toyota T-III/T-IV, VW 5 HP (ZF 5 HP 30, 18FL, 30, 19FL, 24A), VW G-055-025 A2 (JWS 3309), ZF 5HP24, ZF 5HP30



G-BOX DCT

Synthetic transmission oil designed for use in DCT (Dual-clutch transmission) of passenger cars of European and Asian brands.

Specifications:

BMW 6-speed DCT, BMW Drivelogic 7-speed/ DCTF-1, BMW MTF LT-5, Borg Warner, Chrysler 68044345 EA & GA, Ferrari TE DCT-3, FORD WSS-M2C936A, Mitsubishi MZ320065 DiaQueen SSTF-1, Nissan Powershift 6-speed (GFT), Peugeot/Citroen 9734.S2, Porsche Oil No. 999.917.080.00, Renault EDC 6-speed (Getrag), Renault EDC-7, Volvo 1161838, Volvo 1161839, VW G 052 182, VW G 052 529, VW G 055 529, VW TL 521 82



G-BOX ATF DX III

Synthetic oil for automatic transmissions and power steering where Dexron IIIH level oils and below are required.

Specifications:

Allison C-4, Allison TES-389, Ford MERCON, Ford MERCON V, General Motors DEXRON IIIH, MAN 339 Type L1, MAN 339 Type V2, MAN 339 Type Z2, MAN 339 Type Z11, MB 236.7, Voith H55.6336, Volvo 97340, Volvo 97341 (AT 101), ZF TE-ML 04D, ZF TE-ML 05L, ZF TE-ML 09, ZF TE-ML 14C, ZF TE-ML 16L, ZF TE-ML 16R, ZF TE-ML 17C, ZF TE-ML 20B, ZF TE-ML 25B



G-BOX ATF DX II

Oil for automatic transmissions and hydraulic power steering systems that require Dexron IID level oils and below.

Specifications:

Allison C-4, General Motors DEXRON IID, General Motors TASA, MAN 339 Type L2, MAN 339 Type V1, MAN 339 Type Z1, MB 236.1, Voith H55.6335, ZF TE-ML 02F, ZF TE-ML 03D, ZF TE-ML 04D, ZF TE-ML 09, ZF TE-ML 11, ZF TE-ML 14A, ZF TE-ML 17C



G-BOX EXPERT ATF DX III

Semi-synthetic oil for automatic transmissions and hydraulic power steering systems that require Dexron IIIH level oils and below.

Specifications:

Allison C-4, Caterpillar TO-2, Ford MERCON, General Motors DEXRON IIIH, General Motors TASA, MAN 339 Type V1, MAN 339 Type Z1, MB 236.1, MB 236.11, MB 236.2, MB 236.3, MB 236.5, MB 236.6, MB 236.7, Voith H55.6335, Volvo 97341 (AT 101), Volvo CE 97340, ZF TE-ML 02F, ZF TE-ML 03D, ZF TE-ML 04D, ZF TE-ML 05L, ZF TE-ML 09, ZF TE-ML 11B, ZF TE-ML 14A, ZF TE-ML 17C, ZF TE-ML 21L



G-BOX CVT

Synthetic oil for variator gearboxes in passenger cars.

Specifications:

Audi Multitronic, BMW Mini Cooper EZL 799/ 83 22 0 136 376/ 83 22 0 429 154, Daihatsu AMMIX CVT Fluid DC, Daihatsu AMMIX CVT Fluid DFC, Dodge/Chrysler/Jeep/Mopar NS-2, Dodge/Chrysler/Jeep/Mopar CVT+4, GM/Saturn DEX-CVT, High Torque (HT) CVTFluid, Honda HMMF, Honda Z-1, Hyundai/Kia CVT-J1, Hyundai/Kia SP-III CVT model, Idemitsu CVTF-EX1, Mazda JWS 3320, Mitsubishi CVTF-J1, Mitsubishi Diaqueen SP-III (CVT model only), Nissan NS-1, Nissan NS-2, Punch CVT, Subaru ECVT, Subaru High Torque (HT) CVT Fluid, Subaru iCVT, Subaru iCVT FG, Subaru Lineartronic chain CVT and CVT II Fluid, Suzuki CVT Green 1, Suzuki CVT Green 1V, Suzuki CVTF 3320, Suzuki CVTF Green2, Suzuki CVTF TC, Suzuki NS-2, Toyota CVTF TC, VW/Audi TL 521 16 (G 052 516), VW/Audi TL 521 80 (G 052 180)

G-BOX AND G-TRUCK TRANSMISSION OILS



THE G-BOX AND G-TRUCK FAMILIES OF PREMIUM TRANSMISSION OILS ARE DESIGNED FOR USE IN TRANSMISSION UNITS.

CLASSIFICATION OF TRANSMISSION OILS

	API GL-4	API GL-5	API GL-4/GL-5
Application	Manual transmission and other lightly loaded transmission components	Differentials, manual transmissions with steel synchronizers or unsynchronized	Various transmission units with both non-ferrous metal elements and hypoid gears
Product range	G-Truck GL-4 80W-90 G-Truck Z 75W-80 G-Box GL-4 75W-90 G-Box Expert GL-4 75W-90, 80W-85	G-Truck GL-5 80W-90, 85W-90 G-Box GL-5 75W-90 G-Box Expert GL-5 75W-90, 80W-90 Special oils for LSD differentials: G-Truck LS 80W-90, 85W-90	G-Truck GL-4/GL-5 80W-90 G-Box GL-4/GL-5 75W-90

Property icon



Anti-wear



Anti-scuffing



Frictional



Extended replacement interval



Compatibility with non-ferrous metals

 The level of operational properties

G-BOX TRANSMISSION OILS



FOR MANUAL TRANSMISSIONS
OF PASSENGER CARS
AND LIGHT COMMERCIAL VEHICLES

Product name	API Class	Specifications
G-Box GL-4/GL-5 75W-90	API GL-4/GL-5	API GL-4, API GL-5, API MT-1, ArvinMeritor 076-N, MACK GO-J, MAN 341 Type E3, MAN 341 Type Z2, MAN 342 Type S1, MAN M 3343 Type S1, MB 235.8, PRI GL 1057, SAE J2360, Scania STO 1:0, Scania STO 1:1 G, Scania STO 2:0 A FS, Volvo 97312, ZF TE-ML 02B, ZF TE-ML 05A, ZF TE-ML 12L, ZF TE-ML 12N, ZF TE-ML 16F, ZF TE-ML 17B, ZF TE-ML 19C, ZF TE-ML 21A
G-Box GL-5 75W-90	API GL-5	API GL-5
G-Box GL-4 75W-90	API GL-4	API GL-4
G-Box Expert GL-5 75W-90, 80W-90	API GL-5	API GL-5, JSC AVTOVAZ
G-Box Expert GL-4 75W-90	API GL-4	API GL-4, JSC AVTOVAZ

G-TRUCK TRANSMISSION OILS



SPECIALIZED OILS
FOR COMMERCIAL
AND OFF-ROAD VEHICLES

Product name	API Class	Specifications
G-Truck GL-4/GL-5 80W-90	API GL-4/GL-5	API GL-4, API GL-5, API MT-1, ArvinMeritor 076-A/D, MACK GO-J, MAN 341 Type E2, MAN 341 Type Z2, MAN 342 Type M2, MAN M 3343 Type M, MB 235.0, SAE J2360, Scania STO 1:0, Scania STO 1:1 G, Volvo 97321, ZF TE-ML 02B, ZF TE-ML 05A, ZF TE-ML 07A, ZF TE-ML 08, ZF TE-ML 12L, ZF TE-ML 12M, ZF TE-ML 16B, ZF TE-ML 17H, ZF TE-ML 19B, ZF TE-ML 21A
G-Truck GL-5 80W-90	API GL-5	API GL-5, DAF Axle, MAN 342 Type M1, MB 235.0, New Holland CNH MAT 3516, Renault Trucks, Volvo 97310, ZF TE-ML 05A, ZF TE-ML 07A, ZF TE-ML 08, ZF TE-ML 16B, ZF TE-ML 19B, ZF TE-ML 21A
G-Truck GL-5 85W-90	API GL-5	API GL-5, DAF Axle, MAN 342 Type M1, MB 235.0, ZF TE-ML 05A, ZF TE-ML 16C, ZF TE-ML 17B, ZF TE-ML 19B, ZF TE-ML 21A
G-Truck LS 80W-90, 85W-90	API GL-5	API GL-5, MIL-L-2105C, MIL-L-2105D, ZF TE-ML 05C, ZF TE-ML 12C, ZF TE-ML 16E, ZF TE-ML 21C
G-Truck GL-4 80W-90	API GL-4	MAN 341 Type Z2/E1, MAN 341 Type E1, ZF TE-ML 02B, ZF TE-ML 16A, ZF TE-ML 17A, ZF TE-ML 19A
G-Truck Z 75W-80	API GL-4	API GL-4, DAF, Iveco, MAN 341 Type Z4, Renault, Robert Bosch TE-ML 08, Volvo 97307, ZF TE-ML 01L, ZF TE-ML 02L, ZF TE-ML 13, ZF TE-ML 16K

COOLANTS AND TECHNICAL FLUIDS



G-ENERGY ANTIFREEZE PSi-OAT 40

Specifications: ASTM D3306, ASTM D4985, Deutz DQC CC-14, VW TL 774-L, BMW LC-18 >01/2019, GB 29743

Suitable for use in electric and hybrid vehicles, including those made in China

BEV, FCEV, FHEV, PHEV



**Lobrid
(PSi-OAT)
technology**



**Color
red**

**Volkswagen
VW TL 774-L
(G12 EVO)**



G-ENERGY ANTIFREEZE NF 40

Specifications: AS 2108-2004, ASTM D3306, ASTM D4985, Audi, BMW N 600 69.0, BS 6580-2010, CUNA NC 956-16, DEUTZ DQC CA-14, Ford, General Motors, General Motors B 040 0240, Iveco T18-1804 Classe T3 E4, Jenbacher TA-Nr. 1000-0201, Jenbacher TI 1000-0201, Liebherr Machines Bulle TLV 035, Liebherr Machines Bulle TLV 23009 A, MAN 324 NF, MB-Approval 325.0, MTU MTL 5048, ÖNORM V 5123, Porsche 924, Porsche 928, Porsche 944, Porsche 968, Saab 6901599, SANS 1251:2005, Seat, Skoda, VW TL 774-C (G-11), GB 29743



**Hybrid
technology**



**Color
blue-green**

**Volkswagen
TL 774-C (type G11)**



G-ENERGY ANTIFREEZE Si-OAT 40

Specifications: ASTM D3306, ASTM D4985, MAN 324 Si-OAT, MB-Approval 325.5, MTU MTL 5048, VW (G12++), Scania TB 1451, Cummins, Motorbike Ducati



**Lobrid
(Si-OAT)
technology**



**Color
purple**

**Volkswagen
TL 774-G
(type G12++)**



G-ENERGY ANTIFREEZE P-OAT 40 Green

Specifications: ASTM D3306, ASTM D4985, ASTM D6210, BS 6580, Japanese Standard (JIS) K2234, Korean Standard (KSM) 2142K, Mazda, Hyundai-Kia MS 591-08, Nissan



**Lobrid
(P-OAT)
technology**



**Color
green**



G-ENERGY ANTIFREEZE SNF 40

Specifications: ASTM D3306, ASTM D4985, ASTM D6210, ASTM D7583, AFNOR NF R15-601, AS 2108-2004, BAIC, Beijing, BS 6580:2010, BYD, Caterpillar, Changan, Chery, Claas, CUNA NC 956-16, DAF MAT 74002, DEUTZ DQC CB-14, Dongfeng, Exeed, FAW, Fiat, FORD WSS-M97B44-D, Foton, GAC, Geely, General Motors 6277 M, Great Wall, GWM, HAVAL, Isuzu, JAC, Jaguar, JASO M325, Jenbacher TA 1000-0200, Jetour, JIS K 2234, John Deere JDM H5, Komatsu KES 07.892, KSM 2142K, Liebherr MD1-36-130, Lifan, MAN 324 Typ SNF, Mazda, MB-Approval 325.3, MINI Cooper D (built as from 2007), MTU MTL 5048, MWM, MWM TR 0199-99-2091/12, OMODA, SAE J1034, SANS 1251:2005, SH 0521-1999, TANK, Volkswagen-Audi-Seat-Skoda TL 774 D (G-12), Volkswagen-Audi-Seat-Skoda TL 774 F (G-12+), Volvo VCS 418-0001, Wärtsilä 32-9011, ÖNORM V 5123



**Carboxylate
(OAT)
technology**



**Color
red**

**Volkswagen
TL 774-F
(type G12+)**



G-ENERGY ANTIFREEZE 40 PRO G12++

Specifications: ASTM D3306, ASTM D4985, ASTM D6210, MAN 324 Si-OAT, MB 325.5, MTU MTL 5048, VW (G12++), BMW GS 94000, GB 29473



**Lobrid
(Si-OAT)
technology**



**Color
purple**

**Volkswagen
TL 774-G
(type G12++)**



G-ENERGY ANTIFREEZE 40 PRO G12+

Specifications: ASTM D3306, ASTM D4985, ASTM D6210, AFNOR NF R15-601, AS 2108-2004, Audi, BAIC, Beijing, BS 6580-2010, BYD, Changan, Chery, CUNA NC 956-16, DAF MAT 74002, Dongfeng, Exeed, FAW, Ford, Foton, GAC, Geely, GWM, HAVAL, JAC, Jetour, JIS K 2234, Lifan, MAN 324 Typ SNF, MB 325.3, MTU MTL 5048, OMODA, Porsche, SAE J1034, SANS 1251:2005, Seat, SH 0521-1999, TANK, VW (G12+), ÖNORM V 5123



Carboxylate (OAT) technology



Color red

Volkswagen TL 774-F (type G12+)



G-ENERGY ANTIFREEZE 40, 65

Specifications: ASTM D3306, BS 6580-2010, JSC GAZ, JSC AVTOVAZ, JSC AVTODIZEL (YAMZ), JSC Kamaz, JSC UAZ, ASTM D4340, GOST 33591



Carboxylate (OAT) technology



Color green



G-ENERGY ANTIFREEZE 40 PRO G11

Specifications: Afnor R15-601, AS 2108-2004, ASTM D3306, Audi, BMW N 600 69.0, BS 6580-2010, CUNA NC 956-16, Deutz DQC CA-14, Ford, General Motors B 040 0240, Iveco T18-1804 Classe T3 E4, MAN 324 NF, MB 325.0, MTU MTL 5048, ÖNORM V 5123, Porsche 924, Porsche 928, Porsche 944, Porsche 968, Saab 6901599, SANS 1251:2005, Seat, VW TL 774-C (G-11), GB 29743



Hybrid technology



Color blue-green

Volkswagen TL 774-C (type G11); GB 29743



G-ENERGY EXPERT DOT 4

DOT 4 class fluid for braking systems and clutches of automobiles. Operable at ambient air temperature from -50 to +50 °C.

Specifications: FMVSS 116, ISO 4925, SAE J1703, SAE J1704, JSC GAZ, JSC PAZ, JSC AVTOVAZ, JSC Kamaz, JSC UAZ.

TYPES OF PACKAGES



1 L



4 L



5 L



20 L



50 L



205 L

STILL HAVE QUESTIONS ABOUT OUR PRODUCTS?

G-Energy Academy specialists will provide qualified assistance in the application of lubricants.



WHERE TO BUY?



<https://g-energy.org/en/buy/point-sales>

SELECT OIL



Specifications valid through 2024. Check www.g-energy.org for actual specifications/approvals and detailed information.

