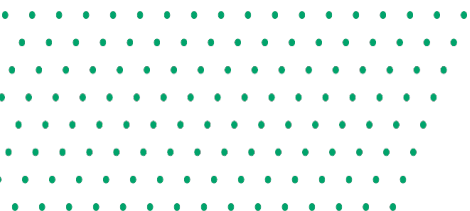












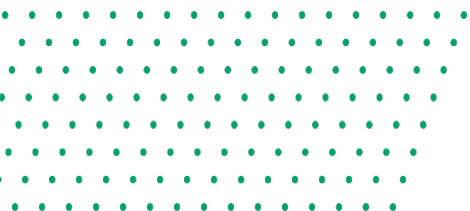


# LUBRICANTS TANECO series



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# PRODUCT RANGE



## Full synthetic motor oil for gasoline engines

- «TANECO Deluxe Special Synth» SAE 5W-30
- «TANECO Premium Ultra Synth» SAE 5W-30, 5W-40
- «TANECO Premium Ultra Race Synth» SAE 10W-60



## Hydraulic oil

- «TANECO Hydraulic Arctic» VG32
- «TANECO Hydraulic Premium 4 seasons» VG32, VG46, VG68
- «TANECO Hydraulic Premium» VG32, VG46, VG68
- «TANECO Hydraulic Universal» VG15, VG22



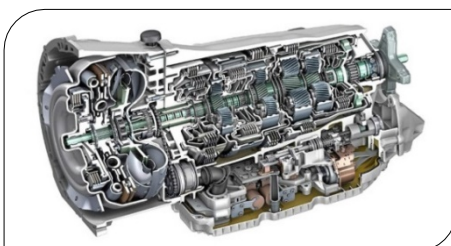
## Motor oil for gardening two-wheeled motor vehicles

- «TANECO GARDEN 2T»
- «TANECO GARDEN 4T» SAE 5W-40, 10W-40



## Full synthetic motor oil for diesel engines

- «TANECO DeLuxe Eco Special Diesel Synth» SAE 10W-40
- «TANECO DeLuxe Special Diesel Synth» SAE 10W-40



## Transmission oil

- «TANECO Transmission GL-4 » SAE 75W-80
- «TANECO Transmission Ultra GL-5» SAE 75W-90
- «TANECO Transmission Universal GL-4/GL-5» SAE 75W-90
- «TANECO ATF»                      • «TANECO ATF Plus»
- «TANECO ATF Asia»                • «TANECO CVT»



## Turbine oil

- «TANECO Turbine» VG32, VG46



## Full synthetic motor oil for commercial vehicles

- «TANECO Premium Ultra Eco Synth» SAE 5W-30
- «TANECO DeLuxe Eco Special Synth» SAE 5W-30



## Motor oil for oversnow vehicles, quadrunners and all-terrain vehicles engines

- «TANECO Frost 4T» SAE 0W-30, 5W-30
- «TANECO MOTO 2T»
- «TANECO MOTO 4T» SAE 10W-30, 10W-40



## Transformer oil «TANECO»



Full synthetic motor oil  
for gasoline engines

# TANECO Deluxe Special Synth

## VISCOSITY GRADE

### SAE 5W-30

Most advanced all-season full synthetic motor oil for car engines. The oil is designed for all-season application in all modern high-power cars, light trucks and box-trucks engines, including turbocharged engines. Developed on the basis of high quality synthetic base stock with the use of advanced additives technologies ensuring high anti-oxigenic, wear and corrosion preventive oil properties.

#### STANDARD PROPERTIES:

No	Property	SAE 5W-30
1	Kinematic viscosity @ 100 °C, mm <sup>2</sup> /s	11,9
2	Viscosity index	166
3	Alkaline number, mg KOH for 1 g of oil	11
4	Open cup flush point, °C	238
5	Pour point, °C	minus 45
6	Sulphated ash content	1,2
7	Density at 20 °C, kg/m <sup>3</sup>	838

Standard properties of product cannot be considered as Manufacturer's Specification and can vary within the limits of reference documentation requirements.

#### BENEFITS

- Provides easy cold start at low temperatures due to high oil pumping quality
- The engine parts are kept clean due to scale prevention and high detergency
- Confident engine protection when using variable quality fuels due to the alkaline number reserve and high detergency
- Provides maximum overhaul life due to excellent wear preventive properties
- Fuel economy due to optimal anti-friction properties



#### PACKING



#### APPLICATION

It is designed for application in motor cars, sports utility vehicles, minibuses and light trucks manufacture in Europe and other countries. Suitable for gasoline and diesel engines (including turbocharged engines) of wide range of cars, which require SAE 5W-30 viscosity and API SN or lower performance, as well as ACEA A3/B4. Recommended for application in Daimler AG, BMW AG, Volkswagen AG engines.

#### Meets requirements of:

- API SN
- ACEA A3/B4
- MB 229.5
- VW 50200/50500
- Renault 0700/0710



## VISCOSITY GRADES

### SAE 5W-30

All-season synthetic motor oil as per API SN/ILSAC GF-5 performance requirements;

**SAE 5W-40** – as per API SN performance requirements developed on the basis of synthetic base oil TANECO base, produced under hydrocracking technology with the use of multifunctional additive package.

### STANDARD PROPERTIES :

No n/n	Property	SAE 5W-30	SAE 5W-40
1	Kinematic viscosity @ 100 °C, mm <sup>2</sup> /s	11,08	12,9
2	Viscosity index	170	170
3	Alkaline number, mg KOH for 1 g of oil	6,5	6,5
4	Open cup flush point, °C	240	240
5	Pour point, °C	minus 49	minus 48
6	Sulphated ash content, %wt	0,9	1,0
7	Density at 20 °C, kg/m <sup>3</sup>	838	838

Standard properties of product cannot be considered as Manufacturer's Specification and can vary within the limits of reference documentation requirements.

### BENEFITS

- Due to optimal viscosity and modern lubricity additive provides smooth engine operation and high fuel economy value
- Maximum engine wear protection in urban driving cycle and extra load conditions
- Special formulation minimizes burning oil consumption.




### PACKING




### APPLICATION

Suitable for modern local, American, Korean and Japanese cars, designed for low viscosity oils with high performance properties. Motor oil «TANECO Premium Ultra Synth» is suitable for lubricating of high-power gasoline engines with fuel injection, minivans and light trucks that meet the requirement for toxic emissions of EURO-5 components.



**Approved/ Licensed:**

- API SN



### Meets requirements of :

- API SN, ILSAC GF-5
- GM Dexos 1

# TANECO Premium Ultra Race Synth

## VISCOSITY GRADES

### SAE 10W-60

Developed on the basis of synthetic base oil (TANECO base and polyalphaolefin oils) together with modern additive package, designed for maximum protection of gasoline and diesel engines of racing and sport cars, special cars designed for arduous operating conditions.

The oil is adapted to very high thermal loads and extreme operation conditions during racing competitions ensuring full operational capability of the engine.

#### STANDARD PROPERTIES :

No п/п	Property	SAE 10W-60
1	Kinematic viscosity @ 100 °C, mm <sup>2</sup> /s	24
2	Viscosity index	188
3	Alkaline number, mg KOH for 1 g of oil	10,1
4	Open cup flush point, °C	213
5	Pour point, °C	minus 50
6	Density @ 20 °C, kg/m <sup>3</sup>	855

Standard properties of product cannot be considered as Manufacturer's Specification and can vary within the limits of reference documentation requirements

#### BENEFITS

- High engine power properties due to friction reduction and compound ether(estere)s content;
- Provides confident engine operation during augmented rating due to extra strong lubricant film and constant viscosity;
- The engine parts are kept clean due to scale prevention and high detergency.



The bench tests of TANECO Premium Ultra Race Synth motor oil were successfully performed in KAMAZ-Autosport.



#### PACKING



216 L

#### APPLICATION

Suitable for all types of racing engines (gasoline, diesel, atmospheric engine, turbine, injection, including engines with fuel injection and spark ignition engines). Specially designed for professional use in different race competitions. Developed for application in high power racing cars, which require ACEA A3/B4 performance.

#### Meets requirements of :

- ACEA A3/B4;
- API SN/CF.

Full synthetic motor oil  
for commercial vehicles







# TANECO Premium Ultra Eco Synth

## VISCOSITY GRADE

### SAE 5W-30

Full synthetic premium grade motor oil for application in gasoline and diesel engines of motor cars and light trucks, including catalyst-equipped engines and engines with particulate filter(DPF)

#### STANDARD PROPERTIES :

No	Property	SAE 5W-30
1	Kinematic viscosity @ 100 °C,mm <sup>2</sup> /s	11,6
2	Viscosity index	173
3	Alkaline number, mg KOH for 1 g of oil	7,5
4	Open cup flush point, °C	196
5	Pour point, °C	minus 39
6	Sulphated ash content	0,75
7	Density @ 20 °C, kg/m <sup>3</sup>	840

Standard properties of product cannot be considered as Manufacturer's Specification and can vary within the limits of reference documentation requirements

#### BENEFITS

- Maintains the maximum engine efficiency both in short and long period of service;
- Prevents from scale formation raising accelerator pedal response of the engine;
- Provides the maximum engine power during the long period of service, even in forced service conditions;
- Increases engine efficiency;
- Provides the excellent motor protection in different driving conditions and wide temperature range.

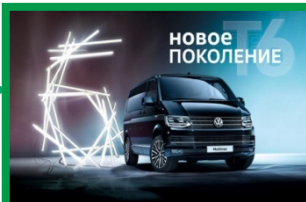


#### PACKING



#### APPLICATION

Synthetic motor oil TANECO Premium Ultra Eco Synth is suitable for lubrication of high-power gasoline and diesel engines of motor cars and light commercial vehicles. Specially designed for VAG engines, requiring the use of oil as per VW 504 00/507 00 specification, and diesel engines



«Volkswagen Commercial Vehicles in Russia» experts confirmed that Tatneft oils meet all modern ecological requirements.

#### Meets requirements of :

- ACEA C3;
- API SN;
- VW 504.00/507.00;
- MB 229.51;
- BMW LL-04;
- Porsche C30.

# TANECO DeLuxe Eco Special Synth

## VISCOSITY GRADE

### SAE 5W-30

Most advanced all-season full synthetic low-ash motor oil with high-performance additive package, that maintain low Sulphated Ash, Phosphorus, Sulphur content. Suitable for all modern motor car and light truck engines, including turbo engines. Designed for motor cars equipped with particulate filter (DPF).

#### STANDARD PROPERTIES :

№ п/п	Наименование показателя	SAE 5W-30
1	Kinematic viscosity @ 100 °C, mm <sup>2</sup> /s	11,5
2	Viscosity index	166
3	Alkaline number, mg KOH for 1 g of oil	7,5
4	Open cup flash point, °C	239
5	Pour point, °C	minus 45
6	Sulphated ash content	0,75
7	Density @ 20 °C, kg/m <sup>3</sup>	840

Standard properties of product cannot be considered as Manufacturer's Specification and can vary within the limits of reference documentation requirements

#### BENEFITS

- Easy cold start at low temperatures
- Maximum engine wear protection in urban driving cycle
- Compatible with exhaust gas purification systems with oil ash content sensitivity
- Suitable for engines operated in start-stop mode and short distance driving



#### PACKING



#### APPLICATION

Recommended for all-season application in modern gasoline and diesel engines with direct fuel injection and extended oil change interval. Suitable for Volkswagen, BMW, Mercedes-Benz, Renault engines with DPF filters. Also recommended for application in all Japanese, Korean and European engines, requiring low ash oil.



#### Approved/ Licenced :

- API SN
- ACEA C3
- MB-Approval 229.52

#### Meets requirements of :

- GM Dexos 2
- Renault RN 0700/0710
- BMW LL-04
- VW 505.00/505.01;



Full synthetic motor oil  
for diesel engines



# TANECO DeLuxe Special Diesel Synth

## VISCOSITY GRADE

### SAE 10W-40

All-season motor oil based on synthetic technologies, specially designed to the requirements of global engine manufacturers. Developed for modern diesel engines that meet both Euro-4 and Euro-5 requirements. Produced on the basis of modern synthetic base oil and carefully selected efficient additive package.

#### STANDARD PROPERTIES :

No	Property	SAE 10W-40
1	Kinematic viscosity @ 100 °C, mm <sup>2</sup> /s	14,31
2	Viscosity index	155
3	Alkaline number, mg KOH for 1 g of oil	12,8
4	Open cup flash point, °C	228
5	Pour point, °C	minus 45
6	Sulphated ash content	1,39
7	Density @ 20 °C, kg/m <sup>3</sup>	840

Standard properties of product cannot be considered as Manufacturer's Specification and can vary within the limits of reference documentation requirements

#### BENEFITS

- Excellent detergency and dispersity ensure the engine cleanliness and prevent scale formation on the engine parts
- Extended oil change interval decreases after-sales services costs
- Synthetic base allows easy cold start at low temperatures



#### PACKING



#### APPLICATION

Designed for application in diesel engines requiring API CI-4 performance properties. Recommended for heavy-duty diesel engines of trucks and buses without particulate filter (DPF), including turbo engines and engines equipped with an exhaust gas recirculation system (EGR) and catalytic aftertreatment system (SCR).

#### Meets requirements of :

- MAN M3277/3377
- Deutz IV-10
- MTU Type 3.1

FOR GASOLINE ENGINES  
SAE 15W-40  
FULLY CONFORMING

**Approved:**

- API CI-4
- ACEA E4
- Volvo VDS-3
- Mack EO-N
- Renault VI RLD-2
- MB-Approval 228.5

# TANECO DeLuxe Eco Special Diesel Synth

## VISCOSITY GRADE

### SAE 10W-40

Modern motor oil for high-speed diesel engines, including engines equipped with diesel particulate filters (DPF). Meets the requirements of all four ACEA specification for commercial vehicles: ACEA E6 and E7 due to balanced Low-Emissions technology, ensuring high alkaline number and low sulphated ash content Low-SAPS.

#### STANDARD PROPERTIES :

No	Property	SAE 10W-40
1	Kinematic viscosity @ 100 °C, mm <sup>2</sup> /s	13,95
2	Viscosity index	156
3	Alkaline number, mg KOH for 1 g of oil	13
4	Open cup flush point, °C	228
5	Pour point, °C	minus 45
6	Sulphated ash content	1,0
7	Density @ 20 °C, kg/m <sup>3</sup>	840

Standard properties of product cannot be considered as Manufacturer's Specification and can vary within the limits of reference documentation requirements

#### BENEFITS

- High level of thermal and oxidation stability
- Ensures easy cold start in winter period due to excellent low-temperature properties
- Balanced Low-Emissions technology allows the oil application both in advanced engines, equipped with aftertreatment systems and previous types of engines



#### PACKING



#### APPLICATION

Designed for application in modern diesel engines operated in very severe conditions, including engines equipped with oil ash content sensitivity systems: particulate filter (DPF), exhaust gas recirculation systems (EGR) и catalytic aftertreatment systems (SCR).

#### Meets requirements of :

- API CJ-4
- ACEA E6/E7
- MAN M 3477
- Mack EO-N
- Renault VI RLD-2
- VOLVO VDS-3
- MB 228.51
- MTU Type 3.1





Hydraulic oil

# TANECO Hydraulic Arctic

## VISCOSITY GRADE

### VG 32 HVLP

It is a special liquid for hydraulic systems working at extremely low temperatures.

#### STANDARD PROPERTIES :

No	Property	VG 32
1	Kinematic viscosity @ 40 °C, mm <sup>2</sup> /s	31,00
2	Kinematic viscosity @ 100°C, mm <sup>2</sup> /s	9,58
3	Kinematic viscosity @ -30 °C, mm <sup>2</sup> /s	976
4	Viscosity index	317,5
5	Pour point, °C	minus 60

Standard properties of product cannot be considered as Manufacturer's Specification and can vary within the limits of reference documentation requirements

#### BENEFITS

Ensures reliable and smooth operation of hydraulic systems working in severe operating conditions. System works efficiently and properly despite temperature variations. Efficient anti-wear, anti-oxidizing and anticorrosive additives provide wear protection and extend oil and components service life, decrease the need of after-sales services. This type of liquid allows to decrease the hydraulic systems heating period, avoid the hydraulic hoses break and cylinder seal leakage, because cylinders are exposed to excessive cold during operation.



#### PACKING



#### APPLICATION

Designed for year-round application, but due to the excellent low-temperature properties it behaves better in arctic winter conditions, which require special reliability of start-up and operation. High viscosity index prevents significant changes in hydraulic liquid viscosity during wide temperature fluctuations and ensures excellent lubricating properties.

#### Meets requirements of :

- DIN 51524-3 HVLP
- Cincinnati Machine P-68, P-69, P-70
- Denison HF-0, HF-1, HF-2
- Eaton Vickers I-286-S, M-2950-S

# TANECO Hydraulic Premium 4 seasons

## VISCOSITY GRADE

### VG 32, VG 46, VG 68 HVL

All-season hydraulic oils with improved viscosity properties especially in low temperatures. Produced on the basis of high-quality base oil and multifunctional additive package. This oil possess improved low temperature, anti-oxidizing, anti-wear, anticorrosive and anti-foam properties.

#### STANDARD PROPERTIES :

No	Property	VG 32	VG 46	VG 68
1	Density @ 20 °C, kg/m <sup>3</sup>	853	866	876
2	Kinematic viscosity @ 40 °C, mm <sup>2</sup> /s	32,2	45,4	68
3	Kinematic viscosity @ 100 °C, mm <sup>2</sup> /s	6,4	9,0	14,7
4	Viscosity index	155	183	228
5	Open cup flush point, °C	232	235	236
6	Pour point, °C	minus 40	minus 40	minus 40

Standard properties of product cannot be considered as Manufacturer's Specification and can vary within the limits of reference documentation requirements

#### BENEFITS

Ensures reliable and smooth operation of hydraulic systems working in severe operating conditions. System works efficiently and properly despite of temperature variations. Efficient anti-wear, anti-oxidizing and anticorrosive additives provide wear protection and extend oil and components service life, decrease the need of after-sales services. This type of liquid allows to decrease the hydraulic systems heating period, avoid the hydraulic hoses break and cylinder seal leakage, because cylinders are exposed to excessive cold during operation.



#### PACKING



#### APPLICATION

Recommended for use in modern high performance hydraulic systems of mobile, forestry and road-building machinery, car-lift trucks, cranes and hydraulic systems of stationary equipment located in unheated premises or in an exposed positions requiring stable viscosity and temperature properties.

#### Meets requirements of :

- DIN 51524-3 HVL
- Cincinnati Machine P-68, P-69, P-70
- Denison HF-0, HF-1, HF-2
- Eaton Vickers I-286-S, M-2950-S

# TANECO Hydraulic Premium

## VISCOSITY GRADE

### VG 32, VG 46, VG 68 HLP

Hydraulic oil with high purity level, excellent filtration characteristics and good air separation ability. Produced on the high index base and high-efficiency additives.

#### STANDARD PROPERTIES :

No	Property	VG 32	VG 46	VG 68
1	Density @ 15 °C, kg/m <sup>3</sup>	874	882	886
2	Kinematic viscosity @ 40 °C, mm <sup>2</sup> /s	32,52	45,37	68,41
3	Kinematic viscosity @ 100 °C, mm <sup>2</sup> /s	5,37	6,72	8,64
4	Viscosity index	152	151	156
5	Open cup flush point, °C	236	232	235
6	Pour point, °C	minus 44	minus 38	minus 35

Standard properties of product cannot be considered as Manufacturer's Specification and can vary within the limits of reference documentation requirements

#### BENEFITS

Able to work in severe operating conditions, protecting the equipment from wear and corrosion, has high performance properties, increases the service life of filters and long-term trouble-free operation of the oil. In addition, the oil reduces the operating costs associated with forced equipment outage.



#### PACKING



#### APPLICATION

Designed for application in industrial hydraulic systems and drives, including ultrafiltration systems with a cleaning fineness of 1-5 µm.

#### Meets requirements of :

- DIN 51524-1,2 HLP
- Cincinnati Machine P-68, P-69, P-70
- Denison HF-0, HF-1, HF-2
- Eaton Vickers I-286-S, M-2950-S
- Bosch Rexroth RE 90220

# TANECO Hydraulic Universal

## VISCOSITY GRADE

### VG 15, VG 22

It is a special fluid for hydraulic systems operating at very low temperatures.

#### STANDARD PROPERTIES :

No	Property	VG 15	VG 22
1	Kinematic viscosity @ 40 °C, mm <sup>2</sup> /s	14,7	21,8
2	Kinematic viscosity @ 100°C, mm <sup>2</sup> /s	4,6	6,4
3	Kinematic viscosity @ -30 °C, mm <sup>2</sup> /s	-	1205
4	Kinematic viscosity @ -40 °C, mm <sup>2</sup> /s	820	-
5	Viscosity index	259,9	275,8
6	Pour point, °C	minus 60	minus 57

Standard properties of product cannot be considered as Manufacturer's Specification and can vary within the limits of reference documentation requirements

#### BENEFITS

- Excellent anti-oxidizing and anticorrosive properties
- Excellent thermal oxidation stability
- Excellent compatibility with sealing elements
- Improves wear protective properties
- Excellent air separation ability
- Extended oil life without sacrificing performance properties



#### PACKING



#### APPLICATION

Recommended for use as a working liquid in modern high performance hydraulic systems of mobile machinery and of stationary equipment, including systems equipped with servovalve with close gaps. The liquid is particularly effective at low temperatures due to its stable viscosity-temperature properties, which ensures maximum system efficiency and protection.

#### Meets requirements of :

- DIN 51524-3 HVLP
- Cincinnati Machine P-68, P-69, P-70
- Denison HF-0, HF-1, HF-2
- Eaton Vickers I-286-S, M-2950-S
- Bosch Rexroth RE 90220





Transmission Oil

# TANECO Transmission GL-4

## VISCOSITY GRADE

### SAE 75W-80

High-performance all-season synthetic transmission oil with fuel-saving properties for maximum extended oil change intervals, recommended for manual transmissions of buses and trucks manufactured by ZF Friedrichshafen AG, including those equipped with an interarder.

#### STANDARD PROPERTIES:

No	Property	SAE 75W-80
1	Kinematic viscosity, mm <sup>2</sup> /s @100, °C	12,5
2	Viscosity index	155
3	Dynamic viscosity @ minus 40 °C, mPa·c	130000
4	Pour point, °C	minus 46
5	Open cup flash point, °C	213
6	Density @ 20 °C, kg/m <sup>3</sup>	883

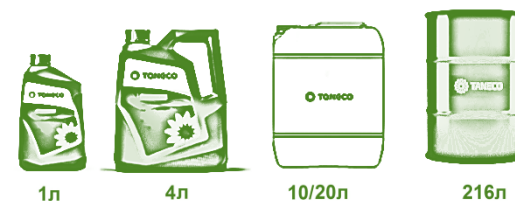
Standard properties of product cannot be considered as Manufacturer's Specification and can vary within the limits of reference documentation requirements

#### BENEFITS

- Excellent extreme pressure and anti-wear properties
- High antioxidant and thermal stability
- High anticorrosion properties
- Excellent viscosity properties over a wide temperature range
- Excellent low temperature fluidity properties



#### PACKING



#### APPLICATION

Recommended for manual transmissions manufactured by «ZF Friedrichshafen AG» series Ecolite, AS Tronic, TraXon, Ecomid, Ecosplit, TC Tronic, NMV in accordance with specifications of manufacturer's equipment.

#### Meets the requirements of:

- API GL-4
- ZF TE-ML 01L, ZF TE-ML 02L, ZF TE-ML 16K,
- MAN 341 Type Z4
- Volvo 97307

# TANECO Transmission Ultra GL-5

## VISCOSITY GRADE

### SAE 75W-90

High-quality synthetic blend all-season transmission oil developed for mechanical transmissions with all types of gears, including hypoid, cars, trucks and other mobile equipment, where API GL-5 oils are required. It is produced on the basis of highly refined advanced synthetic base oils-components using a high-performance additive package of foreign production. It has high extreme pressure and anti-wear properties, provides long-term and reliable operation of transmission units under high loads in a wide range of temperatures.

#### STANDARD PROPERTIES:

No	Property	SAE 75W-90
1	Kinematic viscosity, mm <sup>2</sup> /s @ 100, °C	12,5
2	Viscosity index	155
3	Dynamic viscosity @ minus 40 °C, mPa·s	130000
4	Pour point, °C	minus 46
5	Open cup flash point, °C	213
6	Density @ 20 °C, kg/m <sup>3</sup>	883

Standard properties of product cannot be considered as Manufacturer's Specification and can vary within the limits of reference documentation requirements

#### BENEFITS

- Excellent extreme pressure and anti-wear properties
- Meets the requirements of (OEM) original equipment manufacturers
- High antifoam and anticorrosion properties
- High antioxidant and thermal stability;



#### PACKING



#### APPLICATION

It is recommended for automotive manual transmissions, transfer gears, hypoid differentials and oil-filled steering mechanisms of cars and trucks of both national and foreign manufacture.

#### Meets the requirements of:

- API GL-5
- DAF, MAN 341 Type Z2
- ZF TE-ML 02B, ZF TE-ML 07A, ZF TE-ML 12M, ZF TE-ML 16D

# TANECO Transmission Universal GL-4/GL-5

## VISCOSITY GRADE

### SAE 75W-90

High-quality synthetic blend all-season transmission oil for universal use. Developed for use in mechanical transmission systems of passenger cars and commercial vehicles, transfer cases, drive axles with all types of gears. The oil has improved viscosity-temperature and extreme pressure properties, high stability against oxidation.

#### STANDARD PROPERTIES:

No	Property	SAE 75W-90
1	Kinematic viscosity, mm <sup>2</sup> /s @ 100, °C	12,5
2	Viscosity index	155
3	Dynamic viscosity @ minus 40°C, mPa s	130000
4	Pour point, °C	minus 46
5	Open cup flash point, °C	213
6	Density @ 20 °C, kg/m <sup>3</sup>	883

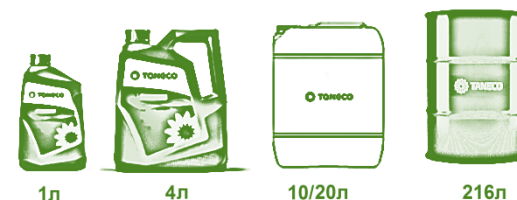
Standard properties of product cannot be considered as Manufacturer's Specification and can vary within the limits of reference documentation requirements

#### BENEFITS

- Excellent extreme pressure properties providing the necessary load bearing capacity at high loads providing protection the working surfaces of the gear teeth maximizing the service life of the gears
- Excellent viscosity-temperature characteristics use of oil in a wide range of application temperatures reduced operating costs
- Stability against oxidation the oil retains its performance characteristics throughout the service interval reducing the cost of lubricant
- Versatility of application possibility of use in both mechanical gearboxes and hypoid gears reduction of the inventory range
- Compatibility with seal materials the oil does not adversely affect the elastomers increasing the service life of the seals



#### PACKAGE



#### APPLICATION

Recommended for passenger cars, road vehicles (mainline tractors, buses, etc.), off-road vehicles (mining, agricultural, etc.) of European, American, and Asian manufacturers. Mechanical transmission of passenger cars. Mechanical transmission of commercial vehicles where the API GL-4 performance level is required. Driving bridges of commercial road vehicles, including MAN, Scania. Driving axles of off-road vehicles, where API GL-5 performance level is required. On-board gearboxes, transfer cases, power take-off boxes.

#### Meets the requirements of:

- API GL-4/GL-5
- Scania STO 1:0
- MAN 341 Type E2&Z2, MAN 342 Type M3
- ZF TE-ML 02B, 05B, 12L/M, 16B



## TANECO ATF

Full synthetic transmission oil designed for application in the latest-generation automatic transmissions where operating fluids of Dexron VI grade are required. Recommended for use in automatic transmissions of Asian manufacturers (Aisin, Jatco), where energy-saving oils are required. Thanks to the synthetic base, it has excellent resistance to oxidation and ensures stable operation of transmissions in severe climate conditions. Ensures optimal operation of the clutch plate packs, torque converter gears, and transmission unit valves throughout the entire oil change interval.

### STANDARD PROPERTIES:

No	Property	ATF
1	Kinematic viscosity, mm <sup>2</sup> /s @ 100, °C	5,9
2	Viscosity index	156
3	Open cup flash point, °C	211
4	Pour point, °C	minus 46
5	Dynamic viscosity @ minus 40°C, mPa s	11300
6	Density @ 15 °C, kg/m <sup>3</sup>	847

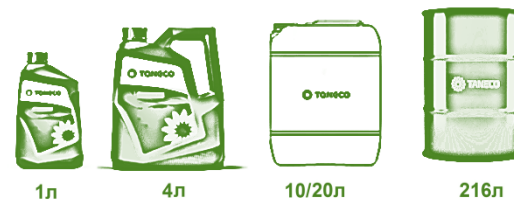
Standard properties of product cannot be considered as Manufacturer's Specification and can vary within the limits of reference documentation requirements

### BENEFITS

- Smooth and prompt gear change
- Minimizing deposits formation in the machine
- Reducing the wear rate of clutch plate packs, gearbox parts, hydraulic pump, and torque converter
- Keeping lubricity throughout the entire replacement interval, even under high loads
- Ensuring a smooth start of movement in severe climate conditions.



### PACKAGE



### APPLICATION

Designed for cars and trucks. Automatic transmissions that require oil conforming to the Dexron VI, Aisin, Jatco, GM specification and also for power steering.

### Meets the requirements of :

- GM Dexron VI
- JASO 1-A LV



## TANECO ATF Asia

High-quality liquid for automatic transmissions of the cars, specially developed to meet the requirements of automatic transmissions of Asian transmission manufacturers (Jatco, Aisin Warner, etc.). It is produced on the basis of a synthetic base oil and a specially selected additive package with advanced friction modifiers.

### STANDARD PROPERTIES:

No	Property	ATF Asia
1	Kinematic viscosity, mm <sup>2</sup> /s @ 100, °C	7,0
2	Viscosity index	185
3	Open cup flash point, °C	222
4	Pour point, °C	minus 51
5	Brookfield viscosity @ -40 °C, mPa·s	6726
6	Density @ 20 °C, kg/m <sup>3</sup>	875

Standard properties of product cannot be considered as Manufacturer's Specification and can vary within the limits of reference documentation requirements

### BENEFITS

- Improved friction properties and smooth change.
- High fuel efficiency.
- Provides excellent pumpability at low temperatures.
- Long service life due to excellent thermal and oxidative stability.
- Prevents vibration at gear changes during the entire service life.



### PACKING



### APPLICATION

Recommended for use in 4 -, 5-and some 6-speed automatic transmissions of Japanese and Korean cars (Toyota, Mitsubishi, Nissan, Honda and many others).

### Meets the requirements of :

- GM Dexron II, Dexron III
- JASO 1A-LV13,
- MITSUBISHI SPII, III,
- HONDA ATF Z1,
- NISSAN Matic C D J,
- TOYOTA T-II, T-III, T-IV

## TANECO ATF Plus

All-season universal fluid for automatic transmissions. This fluid is designed for use in a wide range of automatic transmissions, taking into account the strict requirements of the world's leading equipment manufacturers. It can be used in automatic transmissions of European and American manufacture. Recommended for servicing imported and domestic cars, both in the warranty and post-warranty period of operation.

### STANDARD PROPERTIES:

No	Property	ATF Plus
1	Density @ 20 °C, kg/m <sup>3</sup>	875
2	Kinematic viscosity, mm <sup>2</sup> /s @ 100, °C	7,5
3	Viscosity index	178
4	Brookfield viscosity-40 °C, mPa·s	11 960
5	Open cup flash point, °C	198
6	Pour point, °C	minus 50

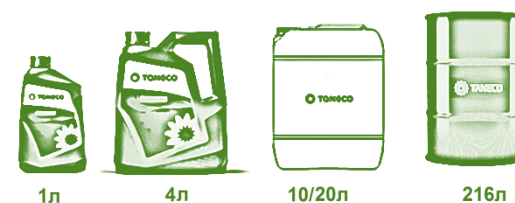
Standard properties of product cannot be considered as Manufacturer's Specification and can vary within the limits of reference documentation requirements

### BENEFITS

- Provides stable anti-friction properties and smooth gear shifting without vibration
- Excellent thermal and oxidative stability and retains its properties even in case of increased fluid replacement times.
- Increases the service life of friction discs
- Excellent pumpability at low temperatures
- Optimal viscosity for the speed of the hydraulic cylinders of the gear shift control system



### PACKAGE



### APPLICATION

It is intended for use in automatic hydro-mechanical transmission systems of trucks and cars, where the manufacturer requires compliance with the Dexron III specification, as well as the preceding ones. It can also be used in power steering systems.

### Meet s the requirements of:

- ZF TE-ML 04D, ZF TE-ML 14B, ZF TE-ML 16L, ZF TE-ML 20B
- VOITH H55.6336.XX
- MAN 339 Type V2, Type Z2
- Volvo 97341
- GM Dexron III, Dexron VI
- Ford Mercon V
- MB 236.6
- Allison TES-295
- JASO 1-A

## TANECO CVT

Fluid for infinitely variable speed automatic transmissions installed on cars. The quality of developed liquid meets the strict requirements of the equipment manufacturers and is confirmed by laboratory tests. This liquid is recommended for servicing a wide range of foreign passenger car models.

### STANDARD PROPERTIES:

No	Property	CVT
1	Density @ 20 °C, kg/m <sup>3</sup>	875
2	Kinematic viscosity, mm <sup>2</sup> /s @ 40, °C	32,9
3	Kinematic viscosity, mm <sup>2</sup> /s @ 100, °C	8,1
4	Viscosity index	188
5	Brookfield viscosity-40 °C, mPa·s	11 870
6	Open cup flash point, °C	201
7	Pour point, °C	minus 50

Standard properties of product cannot be considered as Manufacturer's Specification and can vary within the limits of reference documentation requirements

### BENEFITS

- Provides optimal friction properties
- Provides high thermal-oxidative stability.
- Excellent lubricating properties, which are provided as optimal viscosities.
- Low temperature dependence of viscosity (high viscosity index)
- The improved anti-corrosion properties of the product provide reliable protection of transmission parts and components



### PACKING

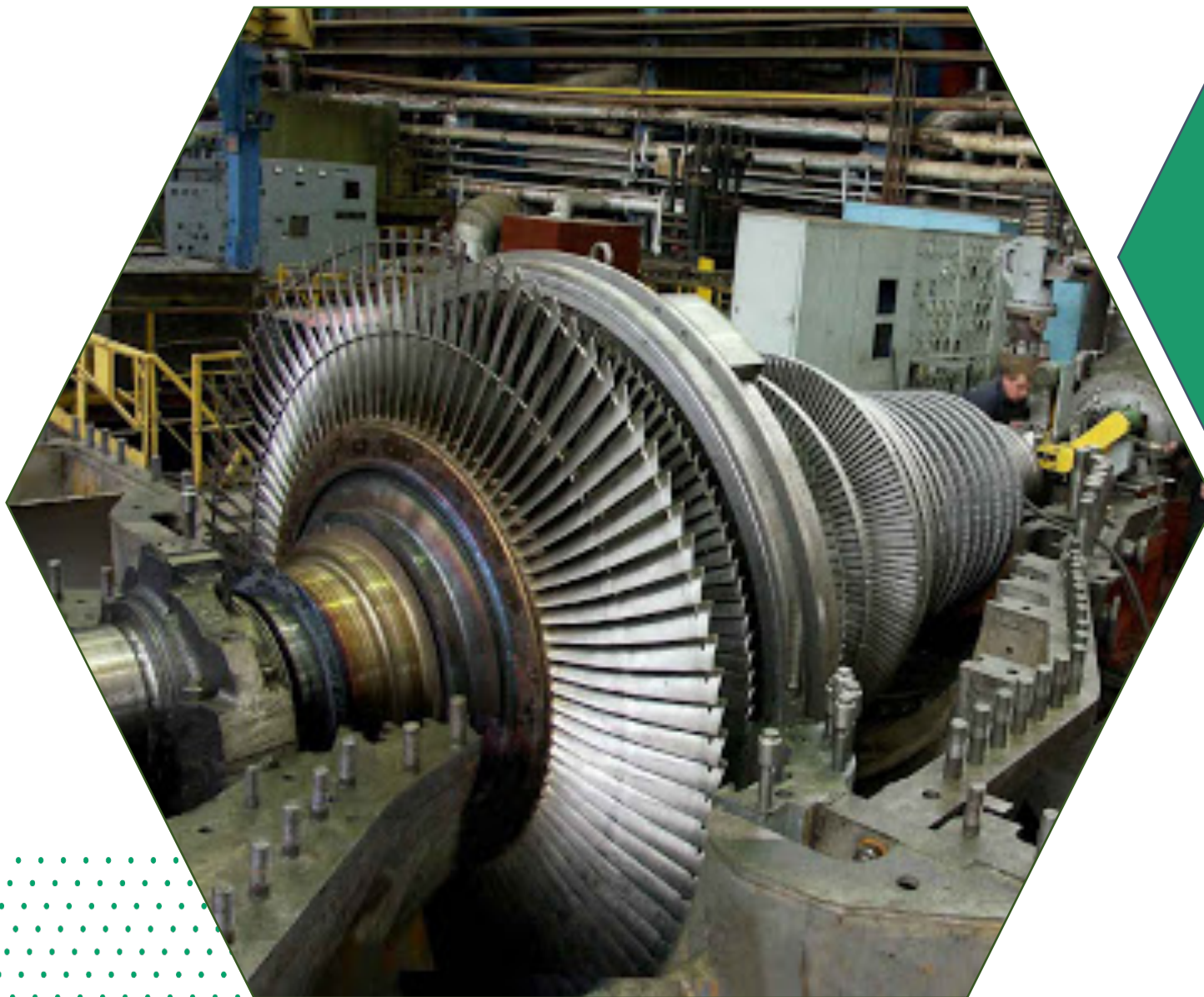


### APPLICATION

Developed for use in infinitely variable automatic transmissions, which require special fluid of NS-2, SP-III standard and others.

### Meets the requirements of:

- Mitsubishi SP III
- Honda HMMF
- Nissan NS-2
- Toyota CVTF TC



Turbine oil

# TANECO Turbine

## КЛАСС ВЯЗКОСТИ

### VG 32, VG 46

High-quality turbine oil produced on the basis of base oils produced by synthetic technology and highly effective ash-free additive package. The oil is specially designed to meet the latest oil requirements for modern steam and gas turbines, both with gearboxes and without them. Developed and approved with the participation of the world's leading turbine manufacturers.

#### STANDARD PROPERTIES:

№	Property	VG 32	VG 46
1	Kinematic viscosity, mm <sup>2</sup> /s @ 40, °C	29,38	46,8
2	Kinematic viscosity, mm <sup>2</sup> /s @ 100, °C	5,50	7,6
3	Viscosity index	125	125
4	Open cup flash point, °C	240	240
5	Pour point, °C	minus 15	minus 15
6	Induction period of oxidation RPVOT, min	1878	1917

Standard properties of product cannot be considered as Manufacturer's Specification and can vary within the limits of reference documentation requirements

#### BENEFITS

- Significant decrease in deposit formation
- Better air and condensate separation.
- Reliable protection of turbine components from wear and corrosion.
- Excellent hydrolytic stability and demulsifying properties.
- Excellent thermal and oxidative stability and, consequently, an extended service interval.
- Good anti-foam performance



PACKING



10/20n

216n

#### APPLICATION

Turbine oil provides a high level of anti-oxidation, anti-wear and anti-corrosion properties, minimizes the formation of deposits, without having a negative impact on the seal materials. Adapted for advanced high-performance turbine units.

#### Meets the requirements of:

- Siemens TLV 901304 (ISO VG 32, VG 46)
- DIN 51515 часть 1 (L-TD) и 2 (L-TG)
- GE GEK 32568F/D
- Cincinnati P38



**The Approval of Siemens TLV 901304 for turbine oil TANECO Turbine Synth, for possible use in Siemens turbine units**







Motor Oils for Gardening  
and Agriculture Equipment  
Engines

## TANECO GARDEN 2T

Produced using high quality synthetic base oils manufactured under hydrocracking technology, using a multifunctional additive package. Motor oil **TANECO Garden 2T** is developed according to API TC requirements. Performance characteristics of Motor oil **Tatneft Garden 2T** meet the category requirements of JASO FB and ISO-L-EGB Standards.



### STANDARD PROPERTIES:

№	Property	TANECO Garden 2T
1	Kinematic viscosity, mm <sup>2</sup> /s @ 100, °C	7,3
2	Viscosity index	110
3	Alkaline number, mg KOH for 1 g of oil	1,8
4	Sulfated ash wt., %	0,2
5	Pour point, °C	minus 18
6	Open cup flash point, °C	200
7	Density at 20 °C, kg/m <sup>3</sup>	840

Standard properties of product cannot be considered as Manufacturer's Specification and can vary within the limits of reference documentation requirements

### BENEFITS

- Improved properties of the oil ensure reliable engine wear protection;
- Prevents from formation of high- and low-temperature deposits in the engine;
- Low smoke opacity during combustion in the fuel blend.

### PACKING



### APPLICATION

It is intended specifically for use as a component of the fuel-oil mixture of small-displacement 2-stroke gasoline engines of garden and agricultural machinery in the ratio from 1: 50 to 1:100, depending on the operating conditions and the recommendations of the manufacturer of the equipment. TANECO Garden 2T oil prevents from deposit formation inside the engine, provides fuel economy, prolongs the operation time of the spark plug, including reducing the likelihood of a hot ignition, protects the surfaces of the working parts of the engines from wear.

### Meets the requirements of:

- API TC
- ISO-L-EGB
- JASO FB

## TANECO GARDEN 4T

### VISCOSITY GRADE

### SAE 5W-40, SAE 10W-40

Produced using high quality synthetic base oils manufactured under hydrocracking technology, using a multifunctional additive package. Performance characteristics of motor oil TANECO Garden 4T meet the requirements of API SL/CF.

### STANDARD PROPERTIES:

No	Property	SAE 5W-40	SAE 10W-40
1	Kinematic viscosity, mm <sup>2</sup> /s @ 100, °C	14,0	13,75
2	Viscosity index	170	160
3	Alkaline number, mg KOH for 1 g of oil	8,7	8,7
4	Sulfated ash wt., %	1,1	1,1
5	Pour point, °C	minus 50	minus 49
6	Open cup flash point, °C	230	230
7	Evaporation loss(as per NOACK method), % wt.	10	10
8	Density @ 20 °C, kg/m <sup>3</sup>	840	840

Standard properties of product cannot be considered as Manufacturer's Specification and can vary within the limits of reference documentation requirements

### BENEFITS

- Improved properties of the oil ensure reliable engine protection;
- Prevents from formation of high- and low-temperature deposits in the engine;
- Provides superior engine wear protection.



### PACKING



### APPLICATION

Designed specifically for small-displacement 4-stroke gasoline and diesel engines of garden and agricultural machinery. TANECO Garden 4T SAE 5W-40, SAE 10W-40 engine oil effectively ensures the long service life of gasoline and diesel engines. TANECO Garden 4T oil reduces friction losses, provides fuel savings, and reduces wear on engine parts.

### Meets the requirements of:

- API SL/CF





## Lubricants for Skidoo, ATV and UTV Engines

## TANECO MOTO 2T

Advanced high-quality oil intended for use in 2-stroke gasoline engines of motobikes, mopeds, scooters, skidoo, ATVs and other motor vehicles. Shows excellent cleaning, anti-oxidation and anti-wear properties, which guarantees excellent engine performance under all loads. The oil is produced on the basis of high-quality base oil with the use of a high-performance advanced low-ash additive package, which provides maximum engine protection in all operating conditions and significantly reduces the risk of carbon deposits in the exhaust system, reduces the failure of spark plugs, reduces the risk of ignition, provides greater engine efficiency, reduces fuel consumption, thanks to a carefully balanced recipe.

### STANDARD PROPERTIES:

No	Property	TANECO Garden 2T
1	Kinematic viscosity, mm <sup>2</sup> /s @ 100, °C	7,3
2	Viscosity index	110
3	Alkaline number, mg KOH for 1 g of oil	1,8
4	Sulfated ash wt, %	0,2
5	Pour point, °C	minus 18
6	Open cup flash point, °C	200
7	Density @ 20 °C, kg/m <sup>3</sup>	840

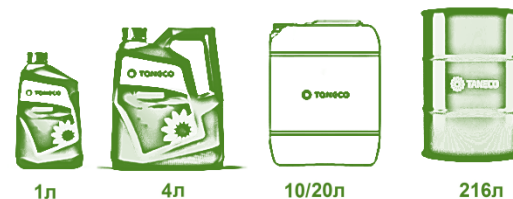
Standard properties of product cannot be considered as Manufacturer's Specification and can vary within the limits of reference documentation requirements

### BENEFITS

- Improved properties of the oil ensure reliable engine wear protection;
- Prevents from formation of high- and low-temperature deposits in the engine;
- Low smoke opacity during combustion in the fuel blend.



### PACKING



### APPLICATION

It is recommended for use in advanced two-stroke engines of motobikes, mopeds, scooters, skidoo, ATVs and other motor vehicles. The mixing ratio has to comply with the requirements of the engine operating manual. The standard accepted for API TC class oils is the ratio of gasoline to oil of 50:1. TANECO MOTO 2T oil prevents the formation of deposits inside the engine, provides fuel economy, extends the operating life of the spark plug, including reducing the likelihood of a hot ignition.

### Meets the requirements of:

- API TC
- ISO-L-EGC/ISO-L-EGD
- JASO FC/FD



## TANECO MOTO 4T

### VISCOSITY GRADE

### SAE 10W-30, SAE 10W-40

Advanced high-quality oils designed for use in 4-stroke gasoline engines of motobikes, mopeds, scooters, skidoo, ATVs and other motor vehicles. They provide maximum engine protection, have excellent detergent and antioxidant properties, improved anti-wear, anti-corrosion and anti-foam properties. The oils are produced with high-quality base oil and a high-performance modern additive package, which provides maximum engine protection in the most severe operating conditions and extends the service life of the vehicle. Surpasses the requirements of all Japanese and European motorcycle manufacturers.



### STANDARD PROPERTIES:

No	Property	SAE 10W-30	SAE 10W-40
1	Kinematic viscosity, mm <sup>2</sup> /s @ 100, °C	11,8	14,3
2	Viscosity index	170	160
3	Alkaline number, mg KOH for 1 g of oil	8,7	8,7
4	Sulfated ash wt, %	1,1	1,1
5	Pour point, °C	minus 50	minus 49
6	Open cup flash point, °C	230	230
7	Density @ 20 °C, kg/m <sup>3</sup>	840	840

Standard properties of product cannot be considered as Manufacturer's Specification and can vary within the limits of reference documentation requirements

### BENEFITS

- Improved properties of the oil ensure reliable engine wearing protection;
- Prevents from formation of high- and low-temperature deposits in the engine;
- Low smoke opacity during combustion in the fuel blend.

### PACKING



### APPLICATION

Recommended for use in advanced 4-stroke engines of motorcycles, motor bikes, skidoo and scooters of Japanese, European, American, Chinese, etc. manufacturers. TANECO MOTO 4T oil reduces friction losses, provides fuel economy, and reduces engine parts wear.

### Meets the requirements of :

- API SN
- JASO MA2

# TANECO MOTO Frost 4T

## VISCOSITY GRADE

### SAE 0W-30, SAE 5W-30

All-season full synthetic engine oil of the API SN performance level, developed on the basis of VHVI synthetic base oils produced by hydrocracking technology, using a multifunctional additive package. According to the level of operational properties, TANECO MOTO Frost 4T SAE 0W-30, SAE 5W-30 engine oil meets the requirements of the SN categories according to the API classification, has energy-saving properties.

## STANDARD PROPERTIES:

No	Property	SAE 0W-30	SAE 5W-30
1	Kinematic viscosity, mm <sup>2</sup> /s @ 100, °C	9,8	10,3
2	Viscosity index	170	160
3	Apparent viscosity (dynamic), determined at CCS device:	5013	4055
	@ minus 35 °C, cP		
	@ minus 30 °C, cP		
4	Alkaline number, mg KOH for 1 g of oil	8	8
5	Sulfated ash wt, %	1,0	1,0
6	Pour point, °C	minus 48	minus 48
7	Open cup flash point, °C	230	2430
8	Evaporation loss(as per NOACK method), % wt.	11	10
9	Density @ 20 °C, kg/m <sup>3</sup>	838	840

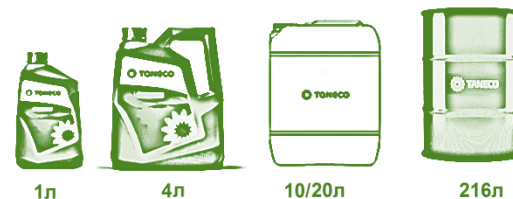
Standard properties of product cannot be considered as Manufacturer's Specification and can vary within the limits of reference documentation requirements

## BENEFITS

- Improved low-temperature properties ensure reliable starting of the engine in severe winter conditions;
- Synthetic base oil and modern additive package prevents the formation of high- and low-temperature deposits in the engine;
- Provides superior engine wear protection;
- It has energy-saving properties.



## PACKING



## APPLICATION

Recommended for use in advanced 4-stroke engines of motorcycles, motor bikes, skidoo and scooters of Japanese, European, American, Chinese, etc. manufacturers. TANECO MOTO 4T oil reduces friction losses, provides fuel economy, and reduces engine parts wear.

## Meets the requirements of:

- API SN
- JASO MA2



# Transformer Oil

## TRANSFORMER OIL «TANECO»

Produced on the basis of isoparaffine base oil HVI, derived under Hydrocracking technology. The oil includes antioxidant additive.

Performance properties of transformer oil «TANECO» meet the requirements of GOST P 54331, МЭК 60296.

### STANDARD PROPERTIES:

№	Property	«TANECO»
1	Kinematic viscosity, mm <sup>2</sup> /s @ 100, °C	2,6
2	Viscosity index	100
3	Тангенс угла диэлектрических потерь при 90 °C, %	0,5
4	Breakdown voltage after sample preparation, kV	70
5	Acid number, mg KOH for 1 g of oil, max	0,01
6	Pour point, °C	minus 45
7	Closed cup flash point, °C	135
8	Density at 20 °C, kg/m <sup>3</sup>	820

Standard properties of product cannot be considered as Manufacturer's Specification and can vary within the limits of reference documentation requirements

### BENEFITS

- Improved low-temperature properties ensure reliable operation of transformers in severe winter conditions and hot climates;
- High electrical insulation properties;
- Stability and long service life.



### PACKING



216л

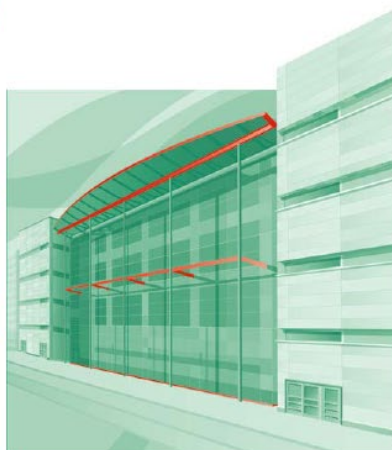


Автоналив

### APPLICATION

Suitable for filling power transformers, reactor equipment, oil circuit breaker for insulation current-carrying parts of equipment, heat removal and fast extinguishing of the electric arc in the circuit breaker. Recommended for use in higher voltage class electrical equipment.





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