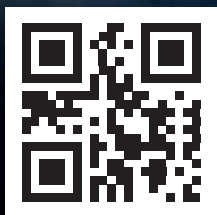




JAPAN OIL

Bi-POWER

Engine double force

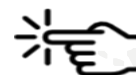


日本の先進技術エンジンオイル

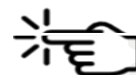
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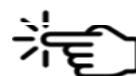
Passenger and Light Commercial Vehicle Engine Oils 01-10



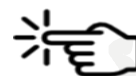
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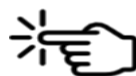
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Code Index 45-47



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Japan's Advanced Technology Motor Oils

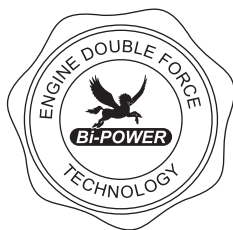




日本の先進技術工

Show Your Power

Passenger and Light Commercial Vehicle Engine Oils



日本の先進技術エンジンオイル

0W-16 SN HYBRID

DESCRIPTION AND PURPOSES

Fully synthetic engine oil specially developed for use in hybrid vehicles, which performs excellently under start-stop driving conditions and ensures fuel economy. It can be used smoothly in all modern technology vehicle engines with direct or indirect injection, turbocharged or naturally aspirated gasoline integrated into hybrid vehicle technology.

PROPERTIES AND BENEFITS

- It reduces friction even at low temperatures, improving engine performance and ensuring fuel economy thanks to its superior technology.
 - It protects the engine against corrosion, and provides excellent resistance against wear.
 - It creates a durable oil film in the engine at all temperatures, thus minimizing engine wear.
- It provides excellent engine protection against sediment and soot formation thanks to its superior cleaning power.



CERTIFICATES AND STANDARDS

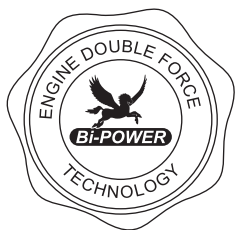
API SN PLUS

Also recommends this product for vehicles or assemblies for which the following specifications or original part numbers are required: Honda, Lexus, Suzuki, Toyota

CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.841
Kinematic Viscosity 100 °C, cSt	7.2
Viscosity Index	160
Flash Point °C	220
Pour Point °C	-40

6x4 Lt, 200 Lt





日本の先進技術エンジンオイル

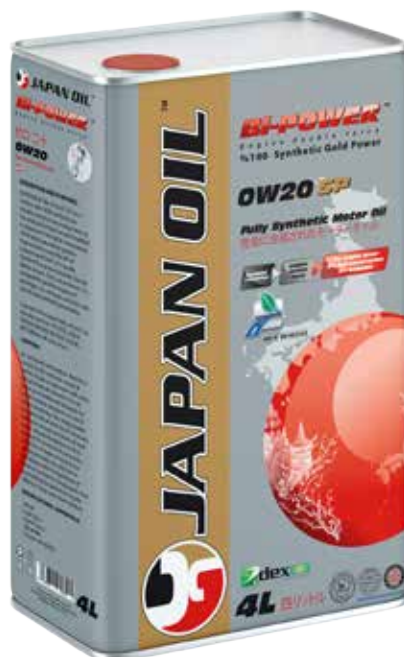
0W-20 SP HYBRID

DESCRIPTION AND PURPOSES

It's more than just oil. It's liquid engineering that protects against the problems your engine faces every day. Severe driving conditions can cause the build up of a thick, tar-like substance called sludge. Sludge can block your engine's vital oilways like cholesterol – and if untreated it can rob an engine of power and, ultimately, its life.

PROPERTIES AND BENEFITS

- 0W-20 SP/C5 is suitable for use in automotive gasoline and diesel engines where the manufacturer recommends an API SP, ACEA C5 0W-20 lubricant.
 - Superior protection against engine sludge.
 - Advanced protection against viscosity and thermal breakdown.
- Premium quality base oils and anti wear additives to help extend the life of your engine.
 - Helps minimize oil consumption



CERTIFICATES AND STANDARDS

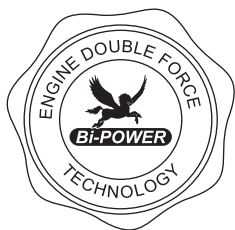
0W-20 SP Hybrid plus also recommends this product for vehicles or assemblies for which the following specifications or original part numbers are required: ChryslerMS-6395, Fiat 9.5 5535- CR 1, Ford WSS-M2C 947 -A, Ford WSS-M2C, 947-B1, Ford WSS-M2C 962-A1, GM 6094 M, GM dexos1 Gen 3, Honda, Hyundai, Kia, Mazda, Mitsubishi Dia Queen, Nissan, Subaru, Toyota, API SP, ILSAC GF-5

CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.831
Kinematic Viscosity 100 °C, cSt	5.6-9.3
Viscosity Index	168
Flash Point °C	220
Pour Point °C	-40

16x1 Lt, 6x4 Lt, 200 Lt



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日本の先進技術エンジンオイル

0W-20 SN TYPE-2

DESCRIPTION AND PURPOSES

BI POWER SN 0W-20 ILSAC GF-5 is a modern fully 100% synthetic low viscosity resource conserving motor oil. The product formula has been modified in response to the higher requirements of the latest generation gasoline engines and to meet the API SN-TYPE-2 category and ILSAC GF-5 quality standard. The product exceeds. It is designed for gasoline engines of passenger cars, minivans and SUVs with hybrid and traditional powertrains.

PROPERTIES AND BENEFITS

- Thanks to its superior thermal and oxidation stability, it maintains its performance during the longest oil change interval recommended by the vehicle manufacturers.
 - Provides excellent protection against wear during start-up of the engine even at the lowest ambient temperatures thanks to its improved viscosity stability.
 - Manufactured with mid-SAPS (sulfated ash, phosphorus and sulfur) technology for engines with Selective Catalytic Reduction (SCR) and Diesel Particulate Filter (DPF) systems in order to reduce harmful exhaust emissions. Extends the life of the exhaust emission system and protects the environment.
- It provides fuel economy thanks to its low viscosity feature and improved viscosity stability.
- Provides excellent protection against engine corrosion and wear.



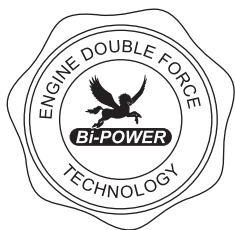
CERTIFICATES AND STANDARDS

API SN, ILSAC GF-5 TYPE-2 also recommends this product for vehicles or assemblies for which the following specifications or original part numbers are required: Chrysler MS-6395, Fiat 9.555 35-C R1, Ford WSS-M2C947-A, Ford WSS-M2C, 947 -B1, Ford WSS -M2C 962 -A1, GM 6094 M, GM dexos 1 Gen 3, Honda, Hyundai, Kia, Mazda, Mitsubishi, Mitsubishi Dia Queen, Nissan, Subaru, Toyota

CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.831
Kinematic Viscosity 100 °C, cSt	5.6-9.3
Viscosity Index	175
Flash Point °C	220
Pour Point °C	-40

6x4 Lt, 200 Lt





日本の先進技術エンジンオイル

0W-30 SP

DESCRIPTION AND PURPOSES

It is a superior quality multi-grade motor oil designed with a state-of-the-art low friction additive system for maximum engine protection even under the toughest driving conditions. It outperforms conventional motor oil, reduces friction and wear at start-up protects your engine against performance robbing sludge and varnish deposits. Japan oil 0w-30 SP is recommended for turbo-charged and high-powered passenger car, truck, sport utility vehicle and other mobile or stationary engines. TOYOTA, LEXUS, HONDA, NISSAN, MAZDA, SUZUKI, MITSUBISHI, CHRYSLER, CHEVROLET, HYUNDAI, KIA, GM, MERCEDES-BENZ, VOLKSWAGEN and others.

PROPERTIES AND BENEFITS

- Minimizes wear with its excellent flow performance during the first run of engine even at low temperature.
 - Provides excellent protection against corrosion and wear.
- Minimize wear by creating a durable oil film in the engine at every temperature thanks to its high viscosity index.
- Provides excellent engine protection against the formation of soot and sediment due to its excellent cleaning power.



CERTIFICATES AND STANDARDS

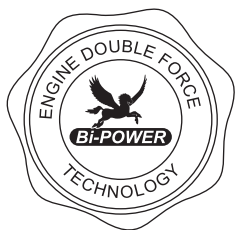
API SP, SN PLUS/SN, ILSAC GF-6A, GM DEXOS II, MB 229.3, 229.5, VW 502/ 505
0w-30 SP also recommends this product for vehicles or assemblies for which the following specifications or original part numbers are required: IVECO 18-1811 SC1 LV

CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.842
Kinematic Viscosity 100 °C, cSt	9.3-12.5
Viscosity Index	171
Flash Point °C	222
Pour Point °C	-41

6x4 Lt, 4x5 Lt



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日本の先進技術エンジンオイル

5W-20 SP

DESCRIPTION AND PURPOSES

Bi-POWER SP 5W-20 ILSAC GF-6 is a fully 100% synthetic low viscosity resource conserving motor oil. The product formula has been modified in response to the higher requirements of the latest generation gasoline engines and to meet the API SP category and ILSAC GF-6 quality standard. The product exceeds General Motors dexos1 Gen 2 requirements. It is recommended for passenger cars, light trucks, minivans and SUVs with hybrid and traditional powertrains. It exceeds the requirements of such car manufacturers as: TOYOTA, LEXUS, HONDA, NISSAN, MAZDA, SUZUKI, MITSUBISHI, GM, MERCEDES, VW, BMW, AUDI, SKODA, CRYSLER, CHEVROLET, HYUNDAI, KIA and others.

PROPERTIES AND BENEFITS

- It provides fuel economy thanks to its low viscosity feature and improved viscosity stability.
- Thanks to its superior thermal and oxidation stability, it maintains its performance during the longest oil change interval recommended by the vehicle manufacturers.
 - Provides excellent protection against engine corrosion and wear.
- Provides excellent protection against wear during start-up of the engine even at the lowest ambient temperatures thanks to its improved viscosity stability.



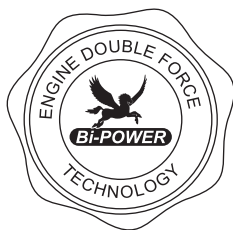
CERTIFICATES AND STANDARDS

API SP, ILSAC GF-6, DEXOS1 GEN 2, GM 6094M, CHRYSLER MS-6395M
Chrysler MS-6395, Daihatsu, Fiat 9.55535-CR1, Ford WSS-M2C 930-A, FordWSS-M2C 945-A,
Ford WSS-M 2C 945-B1, Ford WSSM2C 960-A1, GM6094M, GM dexos1 Gen 3, Honda, Hyundai, Kia, Mazda,
Mitsubishi, Mitsubishi Dia Queen, Nissan, Subaru, Toyota

CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.850
Kinematic Viscosity 100 °C, cSt	5.6-9.3
Viscosity Index	165
Flash Point °C	225
Pour Point °C	-39

16x1 Lt, 6x4 Lt, 4x5 Lt, 200 Lt





日本の先進技術エンジンオイル

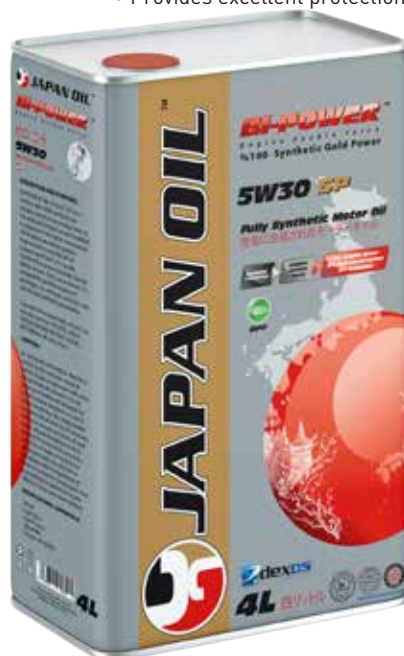
5W-30 SP/DPF

DESCRIPTION AND PURPOSES

Bi-POWER SP 5W-30 ILSAC GF-6 is a fully 100% synthetic low viscosity 100% synthetic blended low viscosity oil engineered to perform and are designed to provide the highest levels of engine protection available. The product formula has been modified in response to the higher requirements of the latest generation gasoline engines and to meet the API SP category and ILSAC GF-6 quality standard. The product exceeds General Motors dexos2 requirements. It is recommended for use in all vehicles requiring the use of SAE 5W-30 viscosity grade engine oils under all driving conditions. It exceeds the requirements of such car manufacturers as: TOYOTA, LEXUS, HONDA, NISSAN, INFINITI, HONDA, MAZDA, SUZUKI, MITSUBISHI, CHRYSLER, CHEVROLET, HYUNDAI, KIA, GM and others.

PROPERTIES AND BENEFITS

- It provides fuel economy thanks to its low viscosity feature and improved viscosity stability.
- Thanks to its superior thermal and oxidation stability, it maintains its performance during the longest oil change interval recommended by the vehicle manufacturers.
 - Provides excellent protection against engine corrosion and wear.
- Provides excellent protection against wear during start-up of the engine even at the lowest ambient temperatures thanks to its improved viscosity stability.



CERTIFICATES AND STANDARDS

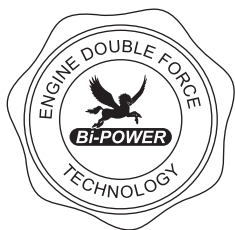
API SP, ILSAC GF-6, DEXOS 2, GM 6094M, CHRYSLER MS-6395M
5W-30 SP also recommends this product for vehicles or assemblies for which the following specifications or original part numbers are required: MB 229.31

CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.861
Kinematic Viscosity 100 °C, cSt	9.3-12.5
Viscosity Index	166
Flash Point °C	225
Pour Point °C	-40

16x1 Lt, 6x4 Lt, 4x5 Lt, 60 Lt, 200 Lt



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日本の先進技術エンジンオイル

5W-30 SP MOLYTECH

DESCRIPTION AND PURPOSES

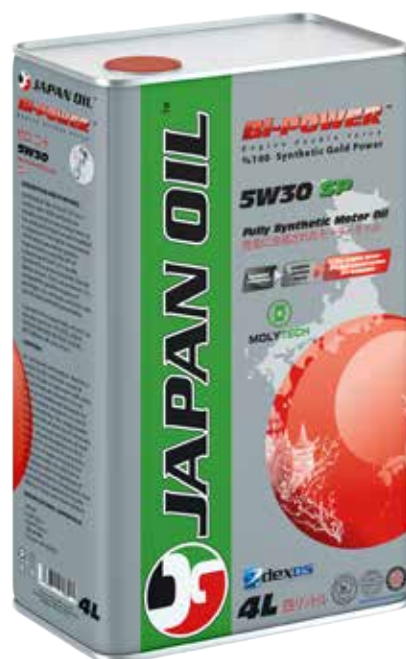
Low-viscosity high-tech low-friction motor oil with high shear stability. Combined with innovative additive technology and the special Molytech additive. Reliably prevents the formation of deposits, reduces frictional losses in the engine and provides optimum protection against wear. The results are savings in fuel and an extended service life for the engine.

PROPERTIES AND BENEFITS

- Excellent wear resistance
- Friction and wear reducing
- Smooth engine running
- Tested for turbochargers and catalytic converters
- Outstanding engine cleanliness
- Outstanding shear resistance
- Outstanding lubrication reliability
- Instant lubrication after cold start
- Saves fuel and reduces pollutant emissions
- Excellent high and low temperature behavior
- Miscible with all commercially available motor oils
- Optimum stability to aging

CERTIFICATES AND STANDARDS

API SP, ILSAC GF-6A,
Honda • Hyundai • Isuzu • Kia • Mazda • Mitsubishi • Nissan • Subaru • Suzuki • Toyota.
Daihatsu • Ford • Ford WSS-M2C 946-A • Ford WSS-M2C 946-B1

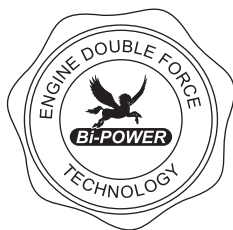


CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0,850 g/cm ³ DIN 51757
Kinematic Viscosity 100 °C, cSt	10,8 mm ² /s ASTM D 7042-04
Viscosity Index	162
Flash Point °C	225
Pour Point °C	-42

6 x 4 Lt, 4x5 Lt, 200 Lt



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日本の先進技術エンジンオイル

5W-40 SP

DESCRIPTION AND PURPOSES

Traffic congestion has increased dramatically; today even a normal driver can stop and start up to 18,000 times¹ a year. That's annoying, but worse, it slowly damages your engine – permanently. Molecules cling to critical engine parts and lock together to: Form a powerful force field of protection. Dramatically reduce both warm-up² and stop-start³ wear by 50%.

PROPERTIES AND BENEFITS

5W-40 SP C3 is suitable for use in automotive gasoline and/or diesel vehicles where the manufacturer recommends API SP, ACEA C3 or earlier specification 5W-40 lubricant.



CERTIFICATES AND STANDARDS

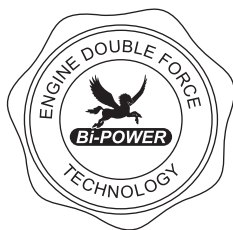
ACEA C3, API SP/CF, Ford WSS-M2C 917-A, VW , 505 00, VW 505 01
5w-40 SP also recommends this product for vehicles or assemblies for which the following specifications or original part numbers are required: VW 500 00

CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.842
Kinematic Viscosity 100 °C, cSt	9.3-12.5
Viscosity Index	171
Flash Point °C	222
Pour Point °C	-41

6x4 Lt, 200 Lt



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日本の先進技術エンジンオイル

10W-40 SL/CI-4

DESCRIPTION AND PURPOSES

Poor fuel quality, heat and tough driving conditions can all lead to sludge that potentially shortens engine life. Sludge is a sticky deposit that builds up in an engine's vital oil-ways and it can prevent oil from protecting the engine.

PROPERTIES AND BENEFITS

10W-40 is suitable for use in automotive gasoline engines where the manufacturer recommends an API SL or earlier specification 10W-40 lubricant. Superior protection against high temperature deposits Premium quality base oils and anti-wear additives that help extend the life of your engine



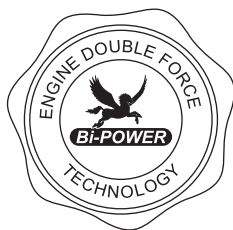
CERTIFICATES AND STANDARDS

ACEA A3, ACEA B4, API SL,CI-4
Fiat 9.55535-G2, GWM, HAVAL, B 229.3, Peugeot Citroen(PSA) B71 2300, Renault RN 0700,
Renault RN 0710, VW 501 01 ,VW 502 00, VW 505 00, Wuling

CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.850
Kinematic Viscosity 100 °C, cSt	5.6-9.3
Viscosity Index	165
Flash Point °C	225
Pour Point °C	-39

6x4 Lt, 200 Lt





日本の先進技術エンジンオイル

10W-40 SN

DESCRIPTION AND PURPOSES

Poor fuel quality, heat and tough driving conditions can all lead to sludge that potentially shortens engine life. Sludge is a sticky deposit that builds up in an engine's vital oil-ways and it can prevent oil from protecting the engine.

PROPERTIES AND BENEFITS

10W-40 is suitable for use in automotive gasoline engines where the manufacturer recommends an API SN or earlier specification 10W-40 lubricant

Superior protection against high temperature deposits

Premium quality base oils and anti-wear additives that help extend the life of your engine



CERTIFICATES AND STANDARDS

ACEA A3, ACEA B4, API SN,
Fiat 9.55535-G2, GWM, Haval, MB 229.3, Peugeot Citroen (PSA) B71 2300,
Renault RN 0700, Renault RN 0710, VW 501 01, VW 502 00, VW 505 00

CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.850
Kinematic Viscosity 100 °C, cSt	5,6-9.3
Viscosity Index	165
Flash Point °C	225
Pour Point °C	-39

16x1 Lt, 6x4 Lt, 200 Lt

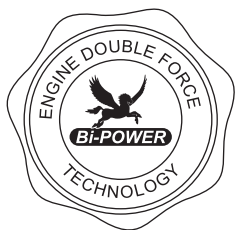


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Heavy Commercial Vehicle Engine Oils

日本の先進技術エンジンオイル



日本の先進技術エンジンオイル

10W-40 CI-4

DESCRIPTION AND PURPOSES

High performance diesel engine oil which is prepared with synthetic base oils and advanced additive packages to provide excellent low temperature fluidity, high temperature viscosity retention, and volatility control. It is recommended for passenger cars and commercial vehicles, European and American design, low-emission, turbocharged engines. It is also recommended for vehicles that are working on roads and high speed / heavy load, light and heavy truck transport over short distances as well as upload / download operating, construction and agricultural land, such as vehicles running under heavy load conditions. Synthesized on the basis of the high-end Japanese molecular nanotechnology Bi-POWER – engineable force which provides.. Engines fitted with DPF

PROPERTIES AND BENEFITS

- Long-lasting engine protection.
 - Extra fuel economy.
 - Especially for stop.
 - Go city traffic use.
 - Keeps engine clean
- Stable engine performance under any load.
 - Easier cold start.
- Consistently high viscosity index under extreme operation conditions.

CERTIFICATES AND STANDARDS

API CI-4/CH-4, ACEA E5/E7-08, CATERPILLAR ECF-2, MB-APPROVAL 228.3, VOLVO VDS-3, MTU OIL CATEGORY 2, DEUTZ DQC-III-05, DETROIT DIESEL, API SL, ACEA A3/B4-10, MAN M 3275, MACK EO M PLUS, CUMMINS CES 20076/20077/20078, JAS O DH-1, GLOBAL DHD-1

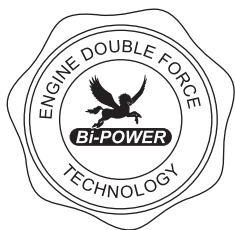


CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.871
Kinematic Viscosity 100 °C, cSt	12.5-16.3
Viscosity Index	135
Flash Point °C	220
Pour Point °C	-32

1x20 Lt, 200 Lt



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日本の先進技術エンジンオイル

10W-40 CI-4 LA MB 228.51

DESCRIPTION AND PURPOSES

10W-40 E6/E9 is a full synthetic low SAPS engine oil formulated with unique System 5 TechnologyTM for up to 40% better performance¹. It is also engineered for extended oil drain up to 100,000km² in the latest European diesel engines including Euro 6 and engines fitted with DPF, in accordance with OEM specifications.

PROPERTIES AND BENEFITS

10W-40 E6/E9 is a full synthetic low SAPS engine oil formulated with unique System 5 TechnologyTM for up to 40% better performance¹. It is also engineered for extended oil drain up to 100,000km² in the latest European diesel engines including Euro 6 and engines fitted with DPF, in accordance with OEM specifications



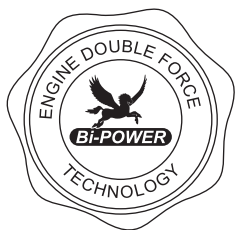
CERTIFICATES AND STANDARDS

ACEA : E6 / E9 replaces E5 and E3) API CI-4 / CH-4 MACK EO-N, MAN M3477, MB-Approval 228.51, MB-Approval 235.27, RVI RLD-2, VOLVO VDS-3, SCANIA Low Ash Cat ECF-1a, DAF Long Drain, DEUTZ DQC-IV LA, JASO DH-2, MAN 3271-1, MTU Type 3.1, Voith Class A Engines compliant with Euro IV, Euro V or Euro VI

CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.871
Kinematic Viscosity 100 °C, cSt	12.5-16.3
Viscosity Index	135
Flash Point °C	220
Pour Point °C	-32

1x20 Lt, 200 Lt





日本の先進技術エンジンオイル

15W-40 CI-4

DESCRIPTION AND PURPOSES

Mineral engine oil that is prepared by refined mineral base oils and advanced technology performance additive packages. Its usage is recommended for passenger cars and commercial vehicles, European and American design, low-emission, turbocharged engines. It is also recommended for vehicles that are working on roads and high speed / heavy load, light and heavy truck transport over short distances as well as upload / download operating, construction and agricultural land, such as vehicles running under heavy load conditions Synthesized on the basis of the high-end Japanese molecular nanotechnology Bi-POWER – engine double force which provides.

PROPERTIES AND BENEFITS

- Long-lasting engine protection.
 - Extra fuel economy.
 - Especially for stop.
 - Go city traffic use.
 - Keeps engine clean
- Stable engine performance under any load.
 - Easier cold start.
- Consistently high viscosity index under extreme operation conditions.

CERTIFICATES AND STANDARDS

SL/CI-4, ACEA E7/E4, ACEA A3/B4, RENAULT RVI/RLD-2, MTU LEVEL 2, MB 228.3, 229,1, MAN 3275, VOLVO VDS



CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.871
Kinematic Viscosity 100 °C, cSt	12.5-16.3
Viscosity Index	130
Flash Point °C	210
Pour Point °C	-30

1x18 Lt, 200 Lt

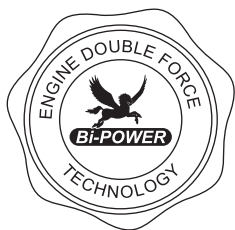


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日本の先進技術エンジンオイル

Transmission and Differential Oils



日本の先進技術エンジンオイル

ATF CVT FLUID FE

DESCRIPTION AND PURPOSES

CVT Fluid is high performance, continuously variable transmission fluid designed to meet the service fill use for many Japanese designed vehicles. CVT Fluid provides smoother, consistent all weather step-less shifting, and all-around lubrication protection of the transmission components to help extend transmission service life and provide a smooth driving experience.

PROPERTIES AND BENEFITS

- Higher torque capacity,
- Advanced wear protection in thrust belt-pulley interface,.
- Superior operational efficiency with reduced risk of belt slipping,
- Provides improved oxidative stability with excellent viscosity control.

CERTIFICATES AND STANDARDS

NISSAN CVT FLUID, SUZUKI CVT FLUID 1GM/SATURN(DEX-CVT), MB.236.2, TOYOTA CVT FLUID TC, MITSUBISHI DIAQUEEN CVT FLUID J1, MITSUBISHI CVT ATF SP-II, MAZDA CVT FLUID 3320, HYUNDAI/KIA(SP-II), SUZUKI SCVT FLUID, SUZUKI CVT FLUID 1, SUBARU I-CVT FLUID, SUBARU I-CVT FLUID FG, DAIHATSU AMIX CVT FLUID DC, FORD CVT FLUID 23, GM/ SATURN (DEX-CVT), MERCEDES-BENZ 235.20, MINI COOPER EZL 799A.

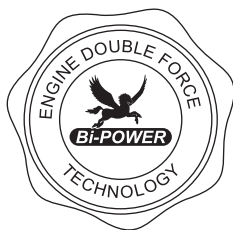


CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.85
Kinematic Viscosity 100 °C, cSt	6.5-8
Viscosity Index	179
Flash Point °C	205
Pour Point °C	-48
Color	Red/Yellow

16x1 Lt, 4x4 Lt, 1x20 Lt, 200 Lt



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日本の先進技術エンジンオイル

ATF CVT NS-3

DESCRIPTION AND PURPOSES

CVT Fluid is high performance, continuously variable transmission fluid designed to meet the service fill use for many Japanese designed vehicles. CVT Fluid provides smoother, consistent all weather step-less shifting, and all-around lubrication protection of the transmission components to help extend transmission service life and provide a smooth driving experience.

PROPERTIES AND BENEFITS

- Higher torque capacity,
- Advanced wear protection in thrust belt-pulley interface,.
- Superior operational efficiency with reduced risk of belt slipping,
- Provides improved oxidative stability with excellent viscosity control.

CERTIFICATES AND STANDARDS

NISSAN CVT FLUID NS-3, NISSAN CVT FLUID NS-2, SUZUKI CVT FLUID GREEN 1GM/SATURN(DEX-CVT), MB.236.2, TOYOTA CVT FLUID TC, MITSUBISHI DIAQUEEN CVT FLUID J1, MITSUBISHI CVT ATF SP-II, MAZDA CVT FLUID 3320, HYUNDAI/KIA(SP-II), SUZUKI SCVT FLUID, SUZUKI CVT FLUID 1, SUBARU I-CVT FLUID, SUBARU I-CVT FLUID FG, DAIHATSU AMIX CVT FLUID DC, FORD CVT FLUID 23, GM/ SATURN (DEX-CVT), MERCEDES-BENZ 235.20, MINI COOPER EZL 799A.

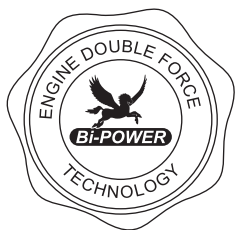


CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.85
Kinematic Viscosity 100 °C, cSt	6.5-8
Viscosity Index	179
Flash Point °C	205
Pour Point °C	-48
Color	Green

16x1 Lt, 4x4 Lt, 1x20 Lt, 200 Lt



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日本の先進技術エンジンオイル

ATF LT-71141

DESCRIPTION AND PURPOSES

ATF LT71141 is a high performance ATF with long drain-performance to be applied in automatic vehicle gearboxes. ATF LT71141 is designed to meet the specific requirements of automatic transmissions. ATF LT71141 is used for the AL4 and 4HP20 gear boxes as the automatic transmission fluid

PROPERTIES AND BENEFITS

- Has a balanced additive performance for excellent gear shifting,
 - Extends transmission life
- Reduces gear friction of the outer rings, resulting in fuel economy in vehicles with automatic transmission.
- High viscosity index ensures stable viscosity over a wide range of temperature for effective protection of transmissions and operation of hydraulic steering units
 - Suitable for use during 4 seasons



CERTIFICATES AND STANDARDS

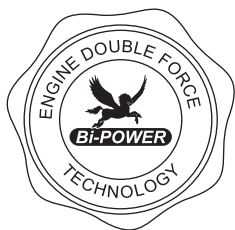
Peugeot/Citroën Automobiles B71 2340, VOITH TURBO H55.6336.xx,
ZF TE-ML 04D, ZF TE-ML 11B, ZF TE-ML 14B, ZF TE-ML 17C, MB-Approval 236.11

CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.85
Kinematic Viscosity 100 °C, cSt	6.8
Viscosity Index	170
Flash Point °C	200
Pour Point °C	-36
Color	Yellow

16x1 Lt, 1x20 Lt, 1x60 Lt, 200 Lt



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日本の先進技術エンジンオイル

ATF DEXRON II

DESCRIPTION AND PURPOSES

Is an automatic transmission fluid that is developed according to the leading equipment manufacturer's specifications. It meets requirements of GM Dexron II.

PROPERTIES AND BENEFITS

- It is used in automatic transmissions and power steering systems of passenger cars and commercial vehicles.
- It is also suitable for other hydraulic systems where an automatic transmission fluid is specified.



CERTIFICATES AND STANDARDS

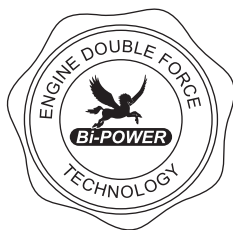
ALLISON C-4, FORD MERCON, GM DEXRON IID, GM TYPE A SUFFIX A, MAN 339 TYPE V1/Z1, MB-APPROVAL 236.1, VOITH H55.6335.xx, VOLVO 97341, ZF TE-ML 17C / 14B / 14A / 11B / 09 / 04D / 03D / 02F

CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.86
Kinematic Viscosity 100 °C, cSt	7.2
Viscosity Index	165
Flash Point °C	206
Pour Point °C	-45

16x1 Lt, 1x20 Lt



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日本の先進技術エンジンオイル

ATF DEXRON III

DESCRIPTION AND PURPOSES

It is a high-performance synthetic automatic transmission fluid produced by blending high-quality synthetic base oils and special additives. It has been developed especially for use in automatic transmissions of passenger and heavy-duty vehicles, but is also suitable for use in hydraulic steering applications.

PROPERTIES AND BENEFITS

- Offers excellent lubrication performance with excellent viscosity even at very low operating,
- Long service life provided by high thermal and oxidation stability helps to reduce operational costs by extending oil change intervals
 - Reduces gear friction of the outer rings, resulting in fuel economy in vehicles with automatic transmission.
- Thanks to its superior anti-wear feature, it protects the transmission components against wear and extends the life of the transmission
 - Excellent lubrication and friction performance ensures smooth gear changes, ensuring excellent driving pleasure.



CERTIFICATES AND STANDARDS

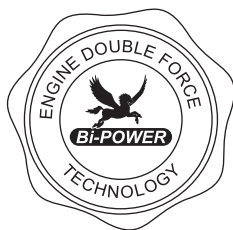
ALLISON C-4 / FORD MERCON V / GM DEXRON III-H / MAN 339 Type V2 / MAN 339 Type Z2 / MB 236.9 / VOITH H55.6336.XX Volvo 97341 / ZF TE-ML 04D, 05L, 14B, 16L, 20B, 21L, 25B

CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.85
Kinematic Viscosity 100 °C, cSt	6.4-8.9
Viscosity Index	145
Flash Point °C	195
Pour Point °C	-45

16x1 Lt, 1x20 Lt, 1x60 Lt, 200 Lt



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日本の先進技術エンジンオイル

ATF DEXRON VI

DESCRIPTION AND PURPOSES

100 % Synthetic High performance low viscosity lubricant specially engineered for modern automatic transmission (manual mode, sequential mode, electronically controlled) with or without slip lockup clutch requiring a DEXRON VI fluid.

PROPERTIES AND BENEFITS

- Has a balanced additive performance for excellent gear shifting,
 - Extends transmission life
- Reduces gear friction of the outer rings, resulting in fuel economy in vehicles with automatic transmission.
- High viscosity index ensures stable viscosity over a wide range of temperature for effective protection of transmissions and operation of hydraulic steering units

CERTIFICATES AND STANDARDS

Audi G 055005 A1/A2/A6, G 055162 A1/A2/A6, G 060162 A1/A2/A6 ATF, BENTLEY PY112995PA BMW, BMW ATF3+, BMW L12108, BMW 83 22 2 413 477 (ATF7) CHRYSLER ATF3+, ATF4+, DEXRON -VI Automatic Transmission Fluid Citroën PR 9734 R7 For EAT6 transmissions, AW-1 Daimler-Chrysler ATF+3, ATF+4, SP IV Automatic Transmission Fluid, DEXRON -IV Automatic Transmission Ford MERCON LV, MERCON ULV, XT-10-QLVC General Motors GM DEXRON VI, DEXRON IIH, DEXRON II D, GM DEXRON HP ATF, Hyundai SP-IV, SP-IV-RR, SP-IV M infiniti MATIC S, MATIC K, NATIC J, MATIC D Isuzu WSI Jaguar Fluid 8432, #02JDE 26444 KIA SP-IV, LEXUS ATFWS, ATF Type T-IV, JWS 3324, M1375.4 MAZDA ATF FZ, MERCON LV, MERCEDES BENZ MB 236.12, A 001 989 7703, A001 989 78 03, MB236.41 Mini BMW 83 22 2 413477(ATF7), Mitsubishi Diamond ATF SP II, SP III, ATF-MA1 #M2320762, ATF SP-IV, ATF SPH-IV Nissan MATIC S, Peugeot RP 9734 r7 for EAT6 transmissions, AW-1 Toyota ATF WS, ATF Type T-IV

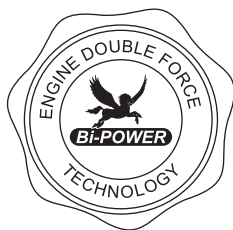


CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.85
Kinematic Viscosity 100 °C, cSt	6.5
Viscosity Index	158
Flash Point °C	215
Pour Point °C	-45
Color	Red, Yellow, Blue

16x1 Lt, 1x20 Lt



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日本の先進技術エンジンオイル

ATF MULTI VEHICLE

DESCRIPTION AND PURPOSES

Synthetic Blended is widely used in Japanese, European and American cars. This fluid has excellent anti-shudder durability and is suitable for some hydraulic transmissions, servo-controlled mechanisms and hydraulic systems. It can be used as a CVT fluid replacement for units with engine displacement under 2 liters and meets LFW-1 test requirements.

PROPERTIES AND BENEFITS

- Has a balanced additive performance for excellent gear shifting,
 - Extends transmission life
- Reduces gear friction of the outer rings, resulting in fuel economy in vehicles with automatic transmission.
- High viscosity index ensures stable viscosity over a wide range of temperature for effective protection of transmissions and operation of hydraulic steering units

CERTIFICATES AND STANDARDS

TOYOTA ATF TYPE T-IV, T-III, D-III, D-II, TOYOTA JWS 2312D, JWS 3309, TOYOTA #08886-81015, #08886-00405, NISSAN MATIC FLUID K, J, D, MITSUBISHI DIAQUEEN ATF SP-III, SP-II, MITSUBISHI ATF J-2, PSF-3, ATF II, MAZDA ATF M-V, F-1, M-III, HONDA ULTRA ATF-1, ATF Z-1, SUZUKI AT OIL, OIL Special, SCVT, SUZUKI ATF 5D06, 2384K, 3314, 3317, SUBARU ATF, ATF HP, ATF (5AT), ISUZU BESCO ATF III, II, DAIHATSU AMIX ATF D-III MULTI/D3-SP, HYUNDAI/KIA: SP-III, SP-II, Red-1, HINO Blue Ribbon ATF, CHRYSLER ATF +3/+4, FORD M, MERCON, MERCEDES-BENZ 236.9, AUDI/VW G-052-025-A2, PORSCHE JWS 3309

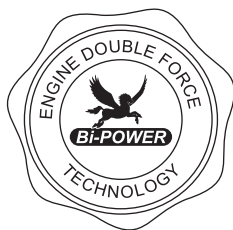


CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.85
Kinematic Viscosity 100 °C, cSt	7,1
Viscosity Index	165
Flash Point °C	220
Pour Point °C	-45

16x1 Lt, 1x20 Lt, 1x60 Lt, 200 Lt



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日本の先進技術エンジンオイル

ATF DCT-DSG

DESCRIPTION AND PURPOSES

A high-performance synthetic transmission oil produced using a special additive formula. It simultaneously delivers excellent wear protection for clutch parts and silent vibration-free operation of the clutch.

PROPERTIES AND BENEFITS

- Thanks to the advanced technology additives in its content, it minimizes the wear that may occur on the transmission and extends the transmission life.
 - Thanks to its excellent slip stability, it creates a permanent film layer on metal surfaces and thus minimizes wear during gear changes.
 - Thanks to its high oxidation and thermal resistance, it ensures a long oil change interval and reduces maintenance costs.
- Thanks to its fluidity properties and high wear-resistant performance, it ensures smooth shifting feel and causes no torque interruptions during gear change.



CERTIFICATES AND STANDARDS

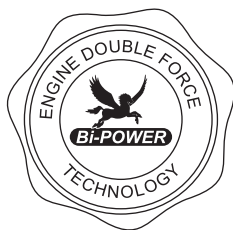
BMW 6-speed DCT / BMW MTF LT-5; Ford / Nissan Powershift 6-speed (GFT) / Ford WSS-M2C936A; Mitsubishi TC-SST 6-speed / MZ320065 / DiaQueen SSTF-1; Peugeot / Citroen DCS 6-speed; Renault EDC 6-speed / EDC-7 / Talisman R7D; Volvo powershift 6-speed; VW (Audi, Seat, Skoda) 6-speed; VW / Audi TL 52 529 / G 052 529 / DSG7 = S-Tronic 7; VW (Audi, Seat, Skoda) 7-speed; VW / Audi TL 521 82 / G 052 182

CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.85
Kinematic Viscosity 100 °C, cSt	6.5-8
Viscosity Index	170
Flash Point °C	210
Pour Point °C	-45
Color	Green

16x1 Lt, 1x20 Lt, 1x60 Lt, 200 Lt



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日本の先進技術エンジンオイル

ATF SP IV

DESCRIPTION AND PURPOSES

Type IV is a specially formulated fluid designed to meet the requirements of a broad range of automatic transmission specifications. It is based on a blend of premium quality base oils (PAO) and proven additives, to provide long term protection in units requiring a non-friction modified type fluid. It's suitable for automatic transmissions of Toyota, Lexus, Chrysler, Daihatsu, Scion passenger cars, SUVs and light commercial vehicles.

PROPERTIES AND BENEFITS

- Thanks to the advanced technology additives in its content, it minimizes the wear that may occur on the transmission and extends the transmission life.
 - Thanks to its excellent slip stability, it creates a permanent film layer on metal surfaces and thus minimizes wear during gear changes.
 - Thanks to its high oxidation and thermal resistance, it ensures a long oil change interval and reduces maintenance costs.
- Thanks to its fluidity properties and high wear-resistant performance, it ensures smooth shifting feel and causes no torque interruptions during gear change.



CERTIFICATES AND STANDARDS

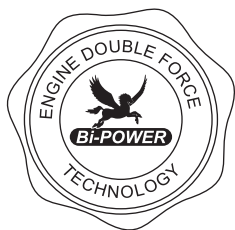
Chrysler MS9602 Type IV, Chrysler MS7176E (ATF+3),
Chrysler MS7176D (ATF+2), Chrysler MS7176 (ATF+), Fiat 9.55550.AV4, Toyota / Levus / Scion Type T-IV

CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.85
Kinematic Viscosity 100 °C, cSt	7,2
Viscosity Index	170
Flash Point °C	210
Pour Point °C	-45

16x1 Lt, 1x20 Lt



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日本の先進技術エンジンオイル

ATF T-IV

DESCRIPTION AND PURPOSES

Bi-POWER ATF T-IV Fluid is a synthetic ATF (Automatic Transmission Fluid), designed on the basis of high quality hydrocrack oils with a special additive and inhibition, which ensure a perfect function of the automatic transmission. Bi-POWER ATF T-IV Fluid is universal ATF (Automatic Transmission Fluid) for automatic transmission of Toyota and Aisin AW.

PROPERTIES AND BENEFITS

- Thanks to the advanced technology additives in its content, it minimizes the wear that may occur on the transmission and extends the transmission life.
 - Thanks to its excellent slip stability, it creates a permanent film layer on metal surfaces and thus minimizes wear during gear changes.
 - Thanks to its high oxidation and thermal resistance, it ensures a long oil change interval and reduces maintenance costs.
- Thanks to its fluidity properties and high wear-resistant performance, it ensures smooth shifting feel and causes no torque interruptions during gear change.



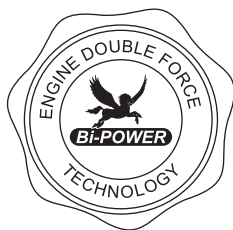
CERTIFICATES AND STANDARDS

TOYOTA JWS 3309,08886-81016,00279-000T4,01705,
NISSAN 999MP-MTK00P für RE5F22A(Aisin AW55-50 SN Nissan maxima,quest,sentra),
Matic K, Mazda k020-w0-049, Suzuki 99000-22800-001,ESSO JWS3317, Fiat 9.5550-AV1

CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.85
Kinematic Viscosity 100 °C, cSt	7,2
Viscosity Index	170
Flash Point °C	210
Pour Point °C	-45

16x1 Lt, 1x20 Lt





日本の先進技術エンジンオイル

ATF WS 1

DESCRIPTION AND PURPOSES

The ATF WS is formulated with high quality synthetic oils and special additives, and is specially designed for the latest AISIN-WARNER automatic transmissions of Toyota and Lexus, which have been widely used since the mid-2000s

PROPERTIES AND BENEFITS

- High Oxidation Resistance and Thermal Stability.
 - High Dispersiveness
- Maintaining Coefficient of Friction
 - High Tear Resistance
- Superior Wear Protection and EP (High Pressure) performance

CERTIFICATES AND STANDARDS

AISIN WARNER, BMW 4 and 5 speed European, CHRYSLER ATF +3 / 4, MAN 339 Type Z-1, TOYOTA T-III / T-IV / WS Lifetime, MB 4 and 5 speed European, VW 4 and 5 speed European, VOITH ATs 55.6335

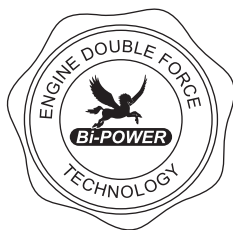


CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.88
Kinematic Viscosity 100 °C, cSt	7,5
Viscosity Index	150
Flash Point °C	200
Pour Point °C	-42

16x1 Lt, 1x20 Lt



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日本の先進技術エンジンオイル

ATF 8-9 HP

DESCRIPTION AND PURPOSES

Its superior technology provides advanced protection and a smoother ride to drivers.

PROPERTIES AND BENEFITS

- Improved oxidation and thermal stability
- Improved friction resistance for a smoother ride for a longer time.
- Ensures fuel economy.



CERTIFICATES AND STANDARDS

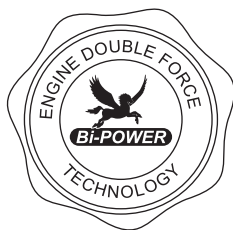
JASO M315 TYPE 1A-LV,
BMW 83222289720, HONDA 08200-9071, HONDA ATF TYPE 3.1,
ZF AA01 500 001, LAND ROVER OIL NO LR023288

CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.85
Kinematic Viscosity 100 °C, cSt	7.1
Viscosity Index	158
Flash Point °C	220
Pour Point °C	-45

16x1 Lt, 1x20 Lt



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日本の先進技術エンジンオイル

HYD STEERING FLUID

DESCRIPTION AND PURPOSES

Hydraulic steering oil obtained by blending highly refined base oils and special additives. It is designed to provide high performance in the power steering systems of passenger and heavy-duty vehicles.

PROPERTIES AND BENEFITS

- It lubricates and protects sealing elements, hoses and metal parts, performs quietly, smoothly and fluently, and extends the life of parts.
 - It is a long lasting product thanks to its thermal stability and high oxidation resistance.
 - It helps to prevent leakage, noise and rust problems in the system.
- Thanks to the special additives they contain, they prevent sediment formation and do not cause foaming
 - Protects the entire system against wear, oxidation, and corrosion.



CERTIFICATES AND STANDARDS

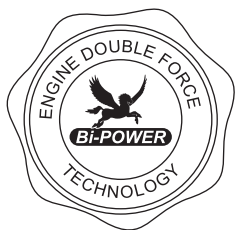
VWG 009300, FTE-ML 03D, FTE-ML 04D, FTE-ML 09, FTE-ML 11, FTE-ML 14A, FTE-ML 17C

CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.86
Kinematic Viscosity 100 °C, cSt	6.3
Viscosity Index	150
Flash Point °C	220
Pour Point °C	-30

16x1 Lt



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日本の先進技術エンジンオイル

75W-80 GL-5

DESCRIPTION AND PURPOSES

They are high-performance automotive gear oils. It is designed with superior quality synthetic and mineral base oils, providing high pressure resistance, preventing the oxidation of the oil and containing additives that protect the material against rust and prevent wear, developed for use under heavy-duty conditions for differential, manual transmission and hypoid gears.

PROPERTIES AND BENEFITS

- Thanks to its specially developed formula, it keeps rust, corrosion and foam formation under control and ensures a long service life. They reduce wear, thereby improving equipment performance by increasing production capacity
 - They are formulated in such a way that they do not disrupt gaskets and seals.
- Thanks to the special additives they contain, they prevent sediment formation and do not cause foaming.
 - They are long-lasting products thanks to their thermal stability and high oxidation resistance.
 - Protects the gears against rust and corrosion.
- Since they have a long life, they reduce the frequency and amount of oil change and minimize waste disposal costs.

CERTIFICATES AND STANDARDS

API GL - 5, MIL-L-2105D
Peugeot, Citroen (PSA) B71 2315,
Peugeot, Citroen (PSA) B71 2330

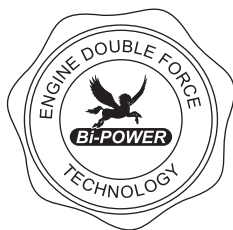


CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.89
Kinematic Viscosity 100 °C, cSt	7-11
Viscosity Index	95
Flash Point °C	215
Pour Point °C	-24

16x1 Lt, 4x3 Lt, 1x20 Lt, 60 Lt



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日本の先進技術エンジンオイル

75W-80 TMAX GL-4

DESCRIPTION AND PURPOSES

75W-80, formulated with Smooth Drive Technology™ is a full synthetic transmission fluid with fuel efficiency benefits. Its superior technology enables longer transmission life. It is suitable for transaxles, manual gearboxes, transfer boxes and final drives where an API GL-4 lubricant is specified. Recommended by us for all 5- and 6-speed manual transmissions of Volkswagen, Audi, Seat and Skoda and is used in the manual transmissions of a number of manufacturers as factory fill.

PROPERTIES AND BENEFITS

Low viscosity combined with excellent anti-wear/EP protection ensures the potential for fuel economy benefits in more severe transaxle applications.

Extremely good cold flow properties provides added protection on start up and improves shift quality.

Excellent frictional characteristics extends synchroniser life and improves shift comfort.

High shear stability maintains performance over the lifetime of the lubricant.

Excellent high temperature stability maintains transmission cleanliness prolonging the life of transmission and lubricant.

CERTIFICATES AND STANDARDS

API GL-4 , MAN 341 Typ E3, F TE-ML 0, MAN 341 Typ Z4, F TE-ML 01L, F TE-ML 02L, F TE-ML 16K

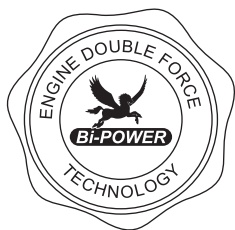


CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.89
Kinematic Viscosity 100 °C, cSt	7-11
Viscosity Index	95
Flash Point °C	215
Pour Point °C	-24
Color	Blue

1x20 Lt, 60 Lt



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日本の先進技術エンジンオイル

75W-90 GL-5

DESCRIPTION AND PURPOSES

They are high-performance automotive gear oils. It is designed with superior quality synthetic and mineral base oils, providing high pressure resistance, preventing the oxidation of the oil and containing additives that protect the material against rust and prevent wear, developed for use under heavy-duty conditions for differential, manual transmission and hypoid gears.

PROPERTIES AND BENEFITS

- Thanks to its specially developed formula, it keeps rust, corrosion and foam formation under control and ensures a long service life. They reduce wear, thereby improving equipment performance by increasing production capacity
 - They are formulated in such a way that they do not disrupt gaskets and seals.
- Thanks to the special additives they contain, they prevent sediment formation and do not cause foaming.
 - They are long-lasting products thanks to their thermal stability and high oxidation resistance.
 - Protects the gears against rust and corrosion.
- Since they have a long life, they reduce the frequency and amount of oil change and minimize waste disposal costs.

CERTIFICATES AND STANDARDS

API GL - 5, MIL-L-2105D

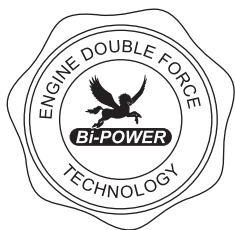


CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.89
Kinematic Viscosity 100 °C, cSt	7-11
Viscosity Index	95
Flash Point °C	215
Pour Point °C	-24

16x1 Lt, 1x20 Lt, 60 Lt



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日本の先進技術エンジンオイル

DOT 4

DESCRIPTION AND PURPOSES

It is a synthetic high performance hydraulic brake fluid based on polyethylene glycol, polyethylene glycol ether and special additive technology. It meets all the requirements of brake fluid, even at high temperatures caused by friction.

PROPERTIES AND BENEFITS

- Hydraulic Brake Fluid is a special synthetic based fluid and is used for motor vehicle hydraulic brake weight and usage.
- It meets minimum ERBP and WERBP requirements, therefore minimizing the risk of vapor lock under severe conditions.
- While the product keeps the system running in very cold weather, it prevents leakage at high operating temperatures and maintains the fluidity in the system.
- It protects all different metal parts in the brake system against corrosion and prevents the system from malfunctioning.

CERTIFICATES AND STANDARDS

SAE J 1703, SAE J 1704, FMVSS 116 DOT 4, ISO 4925 Class 4, MAN



CHEMICAL PROPERTIES	TYPICAL VALUES
Kinematic Viscosity 40 °C, cSt	1210-1570
Kinematic Viscosity 100 °C, cSt	2-2,2
Flash Point °C	255

32x0,5 Lt

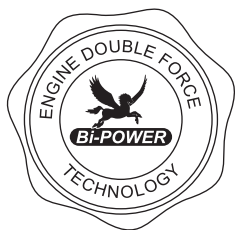


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Lubricating Greases

日本の先進技術エンジンオイル



日本の先進技術エンジンオイル

LITHIUM COMPLEX LK246

DESCRIPTION AND PURPOSES

Formulated with high quality base oils and additives. It is a lithium complex soap-based grease, containing heavy impact, excess pressure [EP] and anti-wear [AW] additives particularly. It has been developed to be used at all lubrication points where high temperature and pressure are required as well as high resistance to water. It can be used in automotive and industrial applications, bearing, roller and universal connections and chassis.

PROPERTIES AND BENEFITS

It is suitable for construction machinery, tractors and all agricultural machinery, stationary and mobile cranes, trucks and rock crushers. It is also recommended for maritime, paper and sugar machinery, wet part bearings and mining industry applications. Provides long-lasting protection for vehicles thanks to its high thermal stability and anti-wear properties. Provides low wear values under shock or heavy loads. Has high pumpability to central lubrication systems. Provides good equipment protection and lubrication thanks to their superior protective properties against corrosion and oxidation.

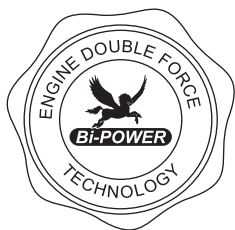


CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15 °C	0.89
Kinematic Viscosity 100 °C, cSt	7-11
Viscosity Index	95
Flash Point °C	215
Pour Point °C	-24
Color	Blue

14 Kg, 180 Kg



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日本の先進技術エンジンオイル

LITHIUM EP

DESCRIPTION AND PURPOSES

They are long-lasting, multi-purpose, lithium soap greases blended with mineral oils and extreme pressure additives, resistant to abrasion, corrosion and washing with water. These greases are suitable for humid environments due to their superior protection against corrosion and oxidation and resistance to washing with water. Operating temperature is between -20°C and 130°C.

PROPERTIES AND BENEFITS

- Provides long-lasting protection for vehicles thanks to its high thermal stability and anti-wear properties.
 - Provides low wear values under shock or heavy loads.
 - Has high pumpability to central lubrication systems.
- Provides good equipment protection and lubrication thanks to their superior protective properties against corrosion and oxidation.
 - Has high water resistance, therefore ensures lubrication for a long time without rinsing with water.
 - Is cost-effective in grease consumption due to their excellent lubrication properties.
 - Is a long-lasting product thanks to its high oxidation resistance
 - Is a long-lasting product thanks to its high oxidation resistance.

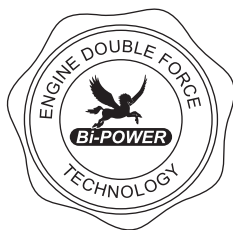


CHEMICAL PROPERTIES	TYPICAL VALUES				
Type of Soap	Li	Li	Li	Li	Li
Color	LIGHT BROWN	LIGHT BROWN	LIGHT BROWN	LIGHT BROWN	LIGHT BROWN
NLGI	00	0	1	2	3
Dropping Point °C	110	140	180	190	195
Worked Penetration, 25 °C	400-430	355-385	310-340	265-295	220-250

14 Kg, 180 Kg



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日本の先進技術エンジンオイル

LITHIUM

DESCRIPTION AND PURPOSES

Formulated with high quality base oils and additives. It is a lithium complex soap-based grease, containing heavy impact, excess pressure (EP) and anti-wear (AW) additives particularly. It has been developed to be used at all lubrication points where high temperature and pressure are required as well as high resistance to water. It can be used in automotive and industrial applications, bearing, roller and universal connections and chassis. It is suitable for construction machinery, tractors and all agricultural machinery, stationary and mobile cranes, trucks, tow trucks and rock crushers. It is also recommended for maritime, paper and sugar machinery, wet part bearings and mining industry applications.

PROPERTIES AND BENEFITS

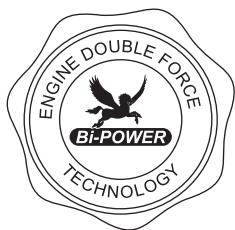
- Provides long-lasting protection for vehicles thanks to its high thermal stability and anti-wear properties.
 - Provides low wear values under shock or heavy loads.
 - Has high pumpability to central lubrication systems.
- Provides good equipment protection and lubrication thanks to their superior protective properties against corrosion and oxidation.
 - Has high water resistance, therefore ensures lubrication for a long time without rinsing with water.
 - Is cost-effective in grease consumption due to their excellent lubrication properties.
 - Is a long-lasting product thanks to its high oxidation resistance.



CHEMICAL PROPERTIES	TYPICAL VALUES				
Type of Soap	Li	Li	Li	Li	Li
Color	BLUE	BLUE	BLUE	BLUE	BLUE
NLGI	00	0	1	2	3
Dropping Point °C	230	235	240	240	250
Worked Penetration, 25 °C	400-430	355-385	310-340	265-295	220-250

14 Kg, 180 Kg





日本の先進技術エンジンオイル

WHITE GREASE

DESCRIPTION AND PURPOSES

White colored grease prepared from high quality base oils and calcium soap additives. It is used in low speed flat bearings and chassis lubrication, lubrication of bearings operating at average and high speeds under operating conditions where the temperature is not high.

PROPERTIES AND BENEFITS

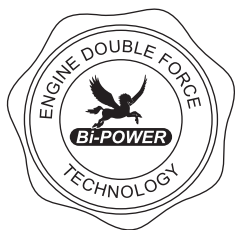
- Provides high resistance to corrosion and water.
- Suitable for low and medium speed bearings with operating temperatures not exceeding 70°C, low speed flat bearings and chassis applications.
- Reduces corrosion by minimizing maintenance costs.
- It reduces the expenditures adhering to the surface thanks to its fibrous structure.



CHEMICAL PROPERTIES	TYPICAL VALUES		
Type of Soap	CA	CA	CA
Color	WHITE	WHITE	WHITE
NLGI	1	2	3
Dropping Point °C	85	90	90
Worked Penetration, 25 °C	310-340	265-295	220-250

14 Kg, 180 Kg





日本の先進技術エンジンオイル

GREEN GREASE

DESCRIPTION AND PURPOSES

It is a green colored calcium-based grease suitable for general use, formulated with quality base oils, calcium soap and anti-corrosion components. Suitable for medium and high-speed slip and roller bearings where temperature is not high. Suitable for medium and high-speed bearings, low speed slip bearings and chassis applications where the operating temperature does not exceed 70°C.

PROPERTIES AND BENEFITS

- Cohesion-enhancing chemicals in its formula increase the cohesiveness to metal and show excellent resistance to washing with water in humid and wet environments.
 - Ensures effective protection against wear and corrosion thanks to its fibrous and water-resistant structure.
 - Helps to minimize maintenance costs with the effective protection it provides.

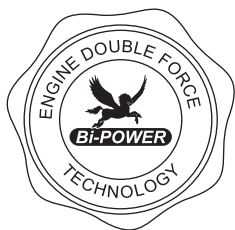


CHEMICAL PROPERTIES	TYPICAL VALUES			
Type of Soap	CA	CA	CA	CA
Color	GREEN	GREEN	GREEN	GREEN
NLGI	0	1	2	3
Dropping Point °C	80	85	90	90
Worked Penetration, 25 °C	355-385	310-340	265-295	220-250

14 Kg, 180 Kg



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日本の先進技術エンジンオイル

RED GREASE

DESCRIPTION AND PURPOSES

Red colored grease prepared from high quality base oils and calcium soap additives. It is used in low speed flat bearings and chassis lubrication, lubrication of bearings operating at average and high speeds under operating conditions where the temperature is not high.

PROPERTIES AND BENEFITS

- Provides high resistance to corrosion and water.
- Suitable for low and medium speed bearings with operating temperatures not exceeding 70°C, low speed flat bearings and chassis applications.
- Reduces corrosion by minimizing maintenance costs.
- It reduces the expenditures adhering to the surface thanks to its fibrous structure.



CHEMICAL PROPERTIES	TYPICAL VALUES		
Type of Soap	CA	CA	CA
Color	RED	RED	RED
NLGI	1	2	3
Dropping Point °C	85	90	90
Worked Penetration, 25 °C	310-340	265-295	220-250

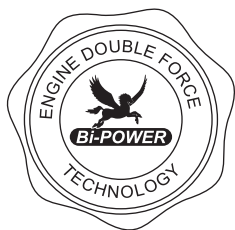
14 Kg, 180 Kg





日本の先進技術エンジンオイル

Aerosol Spray



日本の先進技術エンジンオイル

BRAKE & CLUTCH CLEANING SPRAY

DESCRIPTION AND PURPOSES

Cleans the molds, pads, discs, drums, brake master cylinder, clamps, springs and clutch parts in the brake system and also increases the holding feature.

PROPERTIES AND BENEFITS

- Has the ability to infiltrate even the thinnest gaps.
 - Cleans oil wastes.
- provides high cleaning performance.
 - Does not leave residue and traces.
- Does not contain acetone and silicone.



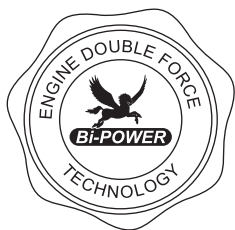
TECHNICAL INFORMATION

Colour	Transparent
Odour	Characteristic
Density at 20 °C (DIN 51757)	0,98 g/cm ³
Flash Point °C	-17 °C

24x500 mL.420 Gr



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日本の先進技術エンジンオイル

MULTI PURPOSE LUBRICANT SPRAY

DESCRIPTION AND PURPOSES

Can be used as a corrosion preventer, lubricant, brightener, cleaner or rust remover on metal and other parts. Loosens the parts stuck parts due to rust by removing rust and lubricating it.

PROPERTIES AND BENEFITS

- A multi-purpose lubricant for lubricating, cleaning and protecting metal parts. Prevents corrosion, lubricates, cleans, repels moisture from the surface and dissolves rust.
- Penetrates dirt and oil residues and removes them from the surface. Created film penetrates deeply and provides excellent protection especially against moisture.



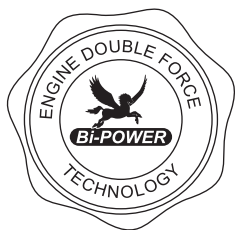
TECHNICAL INFORMATION

Colour	Transparent
Odour	Lemon
Density at 20 °C (DIN 51757)	0,79 g/cm ³
Flash Point °C	>25°C

24x400 mL.330 Gr



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日本の先進技術エンジンオイル

LIQUID GREASE SPRAY

DESCRIPTION AND PURPOSES

A multi-purpose, surface-adhering and water-repellent lubricating spray that you can use in the industrial area, at home and at work.

PROPERTIES AND BENEFITS

- Reduces friction and corrosion and eliminates squeaks. Makes transparent and permanent lubrication.
 - Provides protection against rust and corrosion. Resistant to washing by water.
 - Has water repellent feature.
 - Has high adhesion feature. Does not drip or flow.
- Resists to high pressure, temperature and salt water.
 - Does not contain silicone resin and acid.



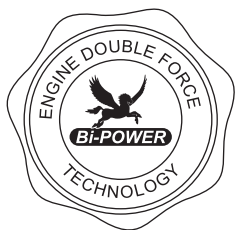
TECHNICAL INFORMATIONS

Colour	Yellowish
Odour	Characteristic
Density	0,829 g/cm ³
Flash Point	>200 °C

24x400 mL. 330 Gr



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日本の先進技術エンジンオイル

RUST REMOVER SPRAY

DESCRIPTION AND PURPOSES

Used to clean the rust that restricts the mobility of moving parts, which is formed as a result of oxidation of metal surfaces such as gears, screws, hand tools, hinges, bicycle parts, motorcycle parts, keys and locks. When it is applied, forms a thin film layer which delays rusting again.

PROPERTIES AND BENEFITS

- Removes, cleans and lubricates rusts thanks to MoS₂ inside its formulation
- Removes the ossific rust, cleans dirt and oil thanks to its penetrating oil. Prolongs the life of the equipment by lubricating it effectively for long time.
- Provides long-term protection against corrosion by removing moisture
- Creates a protective insulating film on wet connections, makes them free from moisture and dries them.
- Suitable for electrical and industrial use.



TECHNICAL INFORMATION

Colour	Blackish
Odour	Characteristic
Density at 20 °C (DIN 51757)	0,8 g/cm ³
Flash Point	-80 °C

24x400 mL330 Gr



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Code Index

JAPAN OIL				AMBALAJ	KOLİ	PALET	PALET
ÜRÜN KODU	GRUP	SINIF	ÜRÜN ADI	(LT-KG)	ADET	KOLİ	ADET
1 152-A2-01001	AEROSOL	AERO	BALATA VE PARÇA TEMİZLEYİCİ SPREY 500 ML 420 Gr	0,5	24	70	1680
2 152-A2-01002	AEROSOL	AERO	ÇOK AMAÇLI KORUYUCU YAĞLAYICI SPREY 400 ML 330 Gr	0,4	24	70	1680
3 152-A2-01003	AEROSOL	AERO	SIVI GRES SPREY (SARI) 400 ML 330 Gr	0,4	24	70	1680
4 152-A2-01004	AEROSOL	AERO	PAS SÖKÜCÜ SPREY 400 ML 330 Gr	0,4	24	70	1680
5 152-X4-00168	AĞIR VASITA	10W40	MULTI SYNTHETIC SL/CI-4	20	1	48	48
6 152-X4-01348	AĞIR VASITA	10W40	MULTI SYNTHETIC LA (MB 228.51)	20	1	48	48
7 152-X4-00175	AĞIR VASITA	15W40	MULTI SYNTHETIC SL/CI-4, CH-4	18	1	48	48
8 152-X4-00010	BİNEK	0W16	FULLY SYNTHETIC SP HYBRID	4	6	54	324
9 152-X4-00033	BİNEK	0W20	FULLY SYNTHETIC SP HYBRID	1	16	70	1120
10 152-X4-00034	BİNEK	0W20	FULLY SYNTHETIC SP HYBRID	4	6	54	324
11 152-X4-00050	BİNEK	0W30	FULLY SYNTHETIC SP	4	6	54	324
12 152-X4-00051	BİNEK	0W30	FULLY SYNTHETIC SP	5	4	60	240
13 152-X4-00057	BİNEK	5W20	SYNTHETIC SP	1	16	70	1120
14 152-X4-00058	BİNEK	5W20	SYNTHETIC SP	4	6	54	324
15 152-X4-00059	BİNEK	5W20	SYNTHETIC SP	5	4	60	240
16 152-X4-00073	BİNEK	5W30	SYNTHETIC SP (DPF)	1	16	70	1120
17 152-X4-00074	BİNEK	5W30	SYNTHETIC SP (DPF)	4	6	54	324
18 152-X4-00075	BİNEK	5W30	SYNTHETIC SP (DPF)	5	4	60	240
19 152-X4-00079	BİNEK	5W30	SYNTHETIC SP (DPF)	60	1	4	4
20 152-X4-00080	BİNEK	5W30	SYNTHETIC SP (DPF)	200	1	4	4
21 152-X4-01318	BİNEK	5W30	FULLY SYNTHETIC SP MOLYTECH GREEN	4	6	54	324
22 152-X4-01319	BİNEK	5W30	FULLY SYNTHETIC SP MOLYTECH GREEN	5	4	60	240
23 152-X4-00115	BİNEK	5W40	SYNTHETIC SP	4	6	54	324
24 152-X4-00164	BİNEK	10W40	MULTI SYNTHETIC SL	4	6	54	324
25 152-X4-00146	BİNEK	10W40	MULTI SYNTHETIC SN	1	16	70	1120
26 152-X4-00147	BİNEK	10W40	MULTI SYNTHETIC SN	4	6	54	324
27 152-X4-00172	BİNEK	15W40	MULTI SYNTHETIC SL/CI-4	4	6	54	324
28 152-X4-00709	FREN	GEAR	DOT 4	0,5	32	64	2048
29 152-X4-00781	ENDÜSTRİYEL	GREASE	LK 246 BLUE	14	1	48	48
30 152-X4-00862	ENDÜSTRİYEL	GREASE	LIT EP 2	14	1	48	48

	JAPAN OIL				AMBALAJ	KOLİ	PALET	PALET
	ÜRÜN KODU	GRUP	SINIF	ÜRÜN ADI	(LT-KG)	ADET	KOLİ	ADET
31	152-X4-00908	ENDÜSTRİYEL	GREASE	LIT 2	14	1	48	48
32	152-X4-00953	ENDÜSTRİYEL	GREASE	NO 2 WHITE	14	1	48	48
33	152-X4-00998	ENDÜSTRİYEL	GREASE	NO 2 GREEN	14	1	48	48
34	152-X4-01043	ENDÜSTRİYEL	GREASE	NO 2 RED	14	1	48	48
35	152-X4-00340	TRANSMİSYON	ATF	CVT FE YELLOW	1	16	70	1120
36	152-X4-00269	TRANSMİSYON	ATF	CVT FE YELLOW	4	6	54	324
37	152-X4-00345	TRANSMİSYON	ATF	CVT FE YELLOW	20	1	48	48
38	152-X4-00348	TRANSMİSYON	ATF	CVT FE RED	1	16	70	1120
39	152-X4-00353	TRANSMİSYON	ATF	CVT FE RED	20	1	48	48
40	152-X4-00324	TRANSMİSYON	ATF	CVT NS-3 GREEN	1	16	70	1120
41	152-X4-00325	TRANSMİSYON	ATF	CVT NS-3 GREEN	4	6	54	324
42	152-X4-00329	TRANSMİSYON	ATF	CVT NS-3 GREEN	20	1	48	48
43	152-X4-00331	TRANSMİSYON	ATF	CVT NS-3 GREEN	200	1	4	4
44	152-X4-00628	TRANSMİSYON	ATF	LT-71141 YELLOW	1	16	70	1120
45	152-X4-00633	TRANSMİSYON	ATF	LT-71141 YELLOW	20	1	48	48
46	152-X4-00634	TRANSMİSYON	ATF	LT-71141 YELLOW	60	1	9	9
47	152-X4-00635	TRANSMİSYON	ATF	LT-71141 YELLOW	200	1	4	4
48	152-X4-00452	TRANSMİSYON	ATF	DEXRON III RED	1	16	70	1120
49	152-X4-00457	TRANSMİSYON	ATF	DEXRON III RED	20	1	48	48
50	152-X4-00458	TRANSMİSYON	ATF	DEXRON III RED	60	1	9	9
51	152-X4-00459	TRANSMİSYON	ATF	DEXRON III RED	200	1	4	4
52	152-X4-00556	TRANSMİSYON	ATF	DEXRON VI RED	1	16	70	1120
53	152-X4-00561	TRANSMİSYON	ATF	DEXRON VI RED	20	1	48	48
54	152-X4-00540	TRANSMİSYON	ATF	DEXRON VI YELLOW	1	16	70	1120
55	152-X4-00545	TRANSMİSYON	ATF	DEXRON VI YELLOW	20	1	48	48
56	152-X4-00564	TRANSMİSYON	ATF	DEXRON VI BLUE	1	16	70	1120
57	152-X4-00569	TRANSMİSYON	ATF	DEXRON VI BLUE	20	1	48	48
58	152-X4-00604	TRANSMİSYON	ATF	MULTI VEHICLE RED	1	16	70	1120
59	152-X4-00609	TRANSMİSYON	ATF	MULTI VEHICLE RED	20	1	48	48
60	152-X4-00610	TRANSMİSYON	ATF	MULTI VEHICLE RED	60	1	9	9



JAPAN OIL				AMBALAJ	KOLİ	PALET	PALET
ÜRÜN KODU	GRUP	SINIF	ÜRÜN ADI	(LT-KG)	ADET	KOLİ	ADET
61 152-X4-00611	TRANSMİSYON	ATF	MULTI VEHICLE RED	200	1	4	4
62 152-X4-00676	TRANSMİSYON	ATF	DCT-DSG GREEN	1	16	70	1120
63 152-X4-00681	TRANSMİSYON	ATF	DCT-DSG GREEN	20	1	48	48
64 152-X4-00682	TRANSMİSYON	ATF	DCT-DSG GREEN	60	1	9	9
65 152-X4-00683	TRANSMİSYON	ATF	DCT-DSG GREEN	200	1	4	4
66 152-X4-00500	TRANSMİSYON	ATF	SP IV RED (KIA)	1	16	70	1120
67 152-X4-00505	TRANSMİSYON	ATF	SP IV RED (KIA)	20	1	48	48
68 152-X4-00508	TRANSMİSYON	ATF	T-IV RED (TOYOTA)	1	16	70	1120
69 152-X4-00513	TRANSMİSYON	ATF	T-IV RED (TOYOTA)	20	1	48	48
70 152-X4-00572	TRANSMİSYON	ATF	WS 1 RED (TOYOTA)	1	16	70	1120
71 152-X4-00577	TRANSMİSYON	ATF	WS 1 RED (TOYOTA)	20	1	48	48
72 152-X4-01384	TRANSMİSYON	ATF	8-9 HP BLUE	1	16	70	1120
73 152-X4-01389	TRANSMİSYON	ATF	8-9 HP BLUE	20	1	48	48
74 152-X4-00420	TRANSMİSYON	ATF	DEXRON II RED	1	16	70	1120
75 152-X4-00425	TRANSMİSYON	ATF	DEXRON II RED	20	1	48	48
76 152-X4-00588	TRANSMİSYON	GEAR	HYD STEERING FLUID GREEN	1	16	70	1120
77 152-X4-00596	TRANSMİSYON	GEAR	HYD STEERING FLUID RED	1	16	70	1120
78 152-X4-00187	TRANSMİSYON	GEAR	75W-80 GL5	1	16	70	1120
79 152-X4-01375	TRANSMİSYON	GEAR	75W-80 GL5	3	4	60	240
80 152-X4-00192	TRANSMİSYON	GEAR	75W-80 GL5	20	1	48	48
81 152-X4-00193	TRANSMİSYON	GEAR	75W-80 GL5	60	1	9	9
82 152-X4-01381	TRANSMİSYON	GEAR	75W80 TMAX GL4 BLUE	20	1	48	48
83 152-X4-01382	TRANSMİSYON	GEAR	75W80 TMAX GL4 BLUE	60	1	9	9
84 152-X4-00195	TRANSMİSYON	GEAR	75W-90 GL5	1	16	70	1120
85 152-X4-00200	TRANSMİSYON	GEAR	75W-90 GL5	20	1	48	48
86 152-X4-00201	TRANSMİSYON	GEAR	75W-90 GL5	60	1	9	9



自分の力を見せてください



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Customer Service Center : Japan Oil Bi Power Co.
Phone : 892-0821 Kagoshima-ken Kagoshima-shi Me,shan cho 9-1

Representative of Turkey **Xenpa San. Ürünleri Dış Tic. A.Ş.**
Office Tr : Sahrayıcedit.Mh. Halk Sk.no :31 Golden Plaza B Blok K.8 d.16 Pk.34734 Kadıköy / İSTANBUL
Phone : +90 216 510 78 88

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