

**ENGINE OILS FOR PASSENGER CARS AND TRANSPORTERS** 

**OILS AND ADDITIVES FOR TRUCKS AND BUSES** 

TRANSMISSION FLUIDS AND GEAR OILS

**OILS FOR AGRICULTURAL MACHINERY** 

**OPERATING & SERVICE FLUIDS** 

**OILS FOR OUTBOARD ENGINES** 

**OILS FOR MOTORBIKES** 

**OILS FOR CHAINSAWS** 

**INDUSTRIAL OILS** 

**MARINE OILS** 

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# 1I FF6724-1

20L

FF6724-20

208L FF6724-DR

FF6724-4

FF6724-60

**NSX** 

### Fully Synthetic Engine Oil

SAE OW-20 API SP (RC) ILSAC GF-6A

GM dexos1 Gen2/6094M CHRYSLER MS-6395/-13340 JAGUAR STJLR.51.5122 LAND ROVER STJLR.51.5122 FORD WSS-M2C947-A/-B1 HONDA HTO-06 INFINITI LEXUS MAZDA SUZUKI PRODUCT CODE **6724** 

PRODUCT CODE **6726** 

Innovative energy-saving premium bi-synthetic engine oil (PAO + esters) for modern petrol engines. Designed to meet the requirements of American, Japanese and Korean car manufacturers.



		1L	FF6726-1
5L	FF6726-5	20L	FF6726-20
SOL	FF6726-60	2081	FF6726-DB

XTR

### Fully Synthetic Engine Oil

SAE OW-30 API SN Plus API SP ACEA C2 ACEA C3

BMW LL-12FE OPEL 0V0401547
MB 229.61 PSA B71 2290
FORD WSS-M2C950-A PSA B71 2312

Premium PAO-based engine oil for modern diesel- and petrol-powered engines of vehicles produced by European manufacturers with and without a turbocharger.



1L	FF6711-1	1L	FF6711-1ME
4L	FF6711-4	4L	FF6711-4ME
20L	FF6711-20	60L	FF6711-60
208L	FF6711-DR	1000L	FF6711-IBC

# **ESX**

### Fully Synthetic Engine Oil

SAE OW-40 API SN/CH-4 ACEA A3/B4

BMW LL-04 VW 502 00/505 00 MB 229.5/229.3 PORSCHE A40 RENAULT RN17 RENAULT RN0700

RENAULT RN0710

GM LL-A-025 GM LL-B-025 FIAT 9.55535-M2 FORD WSS-M2C937-A CHRYSLER MS-10725 CHRYSLER MS-12633

Additional Recommended Applications for AMG

PRODUCT CODE

PRODUCT CODE **6715** 

6711

Universal bi-synthetic (PAO + esters) premium motor oil designed for new generations of all types of engines. Designed in accordance with the requirements of German car manufacturers.



1L	FF6715-1	4L	FF6715-4
20L	FF6715-20	60L	FF6715-60
208L	FF6715-DR	1000L	FF6715-IBC

JPX

### Fully Synthetic Engine Oil

SAE 5W-20 API SN ACEA C5 ILSAC GF-6A

FORD WSS-M2C948-A FORD WSS-M2C948-B

Innovative energy-saving premium bi-synthetic engine oil (PAO + esters) for modern petrol engines. Designed to meet the requirements of American, Japanese and Korean car manufacturers.



		1L	FF6701-1
4L	FF6701-4	5L	FF6701-5
20L	FF6701-20	60L	FF6701-60
2081	FF6701-DR	10001	EE6701-IBC

LSX

### Fully Synthetic Engine Oil

SAE 5W-30 API SN ACEA C3

MB 229.51 BMW LL-04 VW 504 00/507 00 VW TL 52 195 PORSCHE C30 PRODUCT CODE **6701** 

Longlife engine oil for modern petrol and	diesel engines (including
those with direct injection) with and	without turbocharging,
including those equipped with pump	nozzles (Pumpe-Duse).
Designed based on VW and DAIMLER requ	uirements.

# FF6703-1 4L FF6703-4 FF6703-20 60L FF6703-60

208L FF6703-DR

1000L FF6703-IBC

# LSX JP

PRODUCT CODE **6703** 

PRODUCT CODE **6707** 

### Synthetic Engine Oil

SAE 5W-30 API SN Plus ILSAC GF-5

FORD WSS-M2C929-A FORD WSS-M2C946-A FORD WSS-M2C946-B1 FIAT 9.55535-CR1 CHRYSLER MS-6395

CHRYSLER MS-13340

GM dexos1 Gen2/6094M HONDA HTO-06 SSANGYONG LEXUS MAZDA SUZUKI

Innovative, energy-saving ester-containing fully synthetic premium engine oil for modern petrol engines. Designed in accordance with the requirements of American, Japanese and Korean car manufacturers specifically for engines with direct injection systems (GDI, D4, NEO-DI, CGI DISI, I-CDTI), turbocharged.



 1L
 FF6707-1
 5L
 FF6707-5

 20L
 FF6707-20
 60L
 FF6707-60

 208L
 FF6707-DR
 1000L
 FF6707-IBC

# **VDX**

Fully Synthetic Engine Oil

SAE 5W-30 API SN/CH-4 ACEA C2 ACEA C3

VW 505 01 BMW Longlife-04 MB 229.52/229.51 MB 229.31/226.5 RENAULT RN0700 RENAULT RN0710 GM dexos2

Innovative, versatile, all-synthetic ester-containing premium synthetic engine oil for modern diesel and gas turbocharged and non-turbocharged engines. Designed in accordance with the requirements of European car manufacturers.



		1L	FF6501-1
4L	FF6501-4	5L	FF6501-5
20L	FF6501-20	60L	FF6501-60
208L	FF6501-DR	1000L	FF6501-IBC

# TSE

**HC Synthesis Engine Oil** 

SAE 5W-30 API SN/CH-4 ACEA A3/B4

VW 502 00/505 00 VW 503 01/501 01 MB 229.3/229.5 BMW LL-98 RENAULT RN0710 RENAULT RN0700 FORD WSS-M2C913-B

Innovative universal premium ester-containing engine oil for modern petrol and diesel engines with and without turbocharging. Designed based on the requirements of European car manufacturers.

PRODUCT CODE **6501** 



		TL	FF6702-1
4L	FF6702-4	5L	FF6702-5
20L	FF6702-20	60L	FF6702-60
208L	FF6702-DR	1000L	FF6702-IBC

# **VSX**

### Fully Synthetic Engine Oil

SAE 5W-40 API SN/CH-4 ACEA A3/B4

MB 229.5/229.3/226.5 GM LL-A-025/LL-B-025 CHRYSLER MS-10850 CHRYSLER MS-10896 CHRYSLER MS-12991 RENAULT RN 0700/0710 VW 502 00/505 00 BMW LL-01/LL-98 FIAT 9.55535-H2/-Z2 PORSCHE A40 PSA B71 2296 JASO MA2 PRODUCT CODE

PRODUCT CODE **6705** 

**6702** 

Innovative, universal, premium ester-containing engine oil for modern petrol and diesel engines with and without turbocharging, including "old" brands and high mileage. Designed based on the requirements of European producers.



1L	FF6705-1	5L	FF6705-5
20L	FF6705-20	60L	FF6705-60
208L	FF6705-DR	1000L	FF6705-IBC

# PDX

### Synthetic Engine Oil

SAE 5W-40 API SN ACEA C3 ACEA C2

MB 229.51/229.31/MB 226.5 FORD WSS-M2C917-A RENAULT RN0700 RENAULT RN0710 RENAULT RN17 CHRYSLER MS-11106 VW 505 00/505 01 PORSCHE A40 GM dexos2 BMW LL-04 FIAT 9.55535-S2 FIAT 9.55535-GH2

Innovative universal energy-saving ester-containing fully synthetic premium motor oil for modern diesel engines (including those with direct injection) and petrol engines with and without turbocharging, including those equipped with pump nozzles (Pumpe-Duse). Designed based on VW and DAIMLER requirements.



		1L	FF6505-1
4L	FF6505-4	5L	FF6505-5
20L	FF6505-20	60L	FF6505-60
208L	FF6505-DR	1000L	FF6505-IBC

**SPX** 

HC Synthesis Engine Oil

SAE 10W-30 API SN ACEA A3/B4 VW 501 01/505 00 MB 229.1 ISUZU KIA PRODUCT CODE **6505** 

Hydro-synthetic universal motor oil for all types of petrol engines. Designed to meet VW and DAIMLER requirements.

# ENGINE OILS FOR PASSENGER CARS AND TRANSPORTERS

1L	FF6704-1	4L	FF6704-4
5L	FF6704-5	10L	FF6704-10
20L	FF6704-20	60L	FF6704-60
2081	FF6704-DB	10001	FF6704-IBC

### Synthetic Engine Oil

SAE 10W-40 API SN/CH-4 ACEA A3/B4

JASO MA2 VW 505 00/502 00 VW 501 01/500 00 MB 229.3/229.1 RENAULT RN0710/RN0700 PSA B71 2296

Universal ester-containing synthetic engine oil for modern petrol and diesel engines with and without a turbocharger, both multivalve and direct injection, including "old" brands and high mileage vehicles. Designed according to the requirements of European manufacturers.



		1L	FF6503-1
5L	FF6503-5	10L	FF6503-10
20L	FF6503-20	60L	FF6503-60
2081	EE6503-DB	10001	EE6503-IBC

### Semi-Synthetic Engine Oil

SAE 10W-40 API CH-4/SL ACEA A3/B4

VW 505 00/502 00 VW 501 01/500 00 MB 229.3/229.1 **RENAULT RN0700 RENAULT RN0710** PSA B71 2294

Innovative universal ester-containing motor oil on a hydrosynthetic basis for diesel engines, both new and "old" brands and with high mileage. Specially designed for turbocharged engines.



		4L	FF6502-4
20L	FF6502-20	60L	FF6502-60
2081	FF6502-DB	10001	FF6502-IBC

### Semi-Synthetic Engine Oil

SAE 10W-40 API SN ACEA A3/B4

MB 229.3/229.1 VW 505 00/502 00 VW 501 01/500 00 PSA B71 2294 RENAULT RN0710/RN0700 PRODUCT CODE **6502** 

PRODUCT CODE

PRODUCT CODE **6503** 

Universal all-season engine oil of economy class on a hydrosynthetic basis for gasoline and diesel engines, both new and "old " brands and with a large mileage. Developed on the basis of the requirements of European manufacturers.



# 4L FF6402-4 20L FF6402-20 20Bl FF6402-DB 1L FF6402-1 5L FF6402-5 60L FF6402-60 1000L FF6402-IBC

# DSX

### Universal Diesel Engine Oil

SAE 15W-40 API CH-4/SL ACEA A3/B4 VW 505 01/501 00 MB 229.1

MAN 271 ALLISON C4

Highly refined economy-class mineral engine oil for highly accelerated diesel engines with and without a turbocharger. Suits high mileage engines operating in various operating conditions.



		1L	FF6401-1
4L	FF6401-4	5L	FF6401-5
20L	FF6401-20	60L	FF6401-60
208L	FF6401-DR	1000L	FF6401-IBC

**GSX** 

### **Universal Engine Oil**

SAE 15W-40 API SN/CH-4 ACEA A3/B4

VW 505 00/502 00 VW 501 01/500 00 MB 229.3/229.1

All-season universal mineral engine oil for petrol (up to and including 1993) and diesel engines (up to and including 1983) with very high mileage with and without a turbocharger.



		1L	FF6403-1
1L	FF6403-1ME	4L	FF6403-4
4L	FF6403-4ME	5L	FF6403-5
20L	FF6403-20	60L	FF6403-60
208L	FF6403-DR	1000L	FF6403-IBC

**GSX** 50

Universal Engine Oil

SAE 20W-50 API SN/CH-4 PRODUCT CODE **6403** 

PRODUCT CODE

**6402** 

PRODUCT CODE **6401** 

Universal economy-class engine oil, which is a mixture of synthetic components and a highly refined mineral base, for modern highly accelerated petrol and diesel engines with and without a turbocharger used in difficult operating conditions and engines with a very high mileage used in various operating conditions.

# FF6407-1 FF6407-20 60L 20L 1000L FE6407-IBC 2081 FF6407-DR

Semi-synthetic Engine Oil

SAE 40 API CH-4/SJ



A high-efficiency monograde mineral engine oil for heavy-load diesel-powered engines with and without a turbocharger operating under harsh conditions at ambient temperatures more than -20 °C.

# AE 50

Universal Engine Oil

SAE 50 API CH-4 PRODUCT CODE 6405



FF6407-4

FF6407-60

		5L	FF6405-5
7L	FF6405-7	10L	FF6405-10
20L	FF6405-20	60L	FF6405-60
2001	EEG/OF DD	10001	EEE AUE IDC

A high-efficiency monograde mineral engine oil for heavy-load diesel-powered engines with and without a turbocharger operating under very harsh conditions at ambient temperatures more than -15 °C.



FF6406-5 20L FF6406-20 FF6406-60 208L FF6406-DR

High-Performance Single-Grade Diesel Engine Oil

SAE 60 API CH-4 PRODUCT CODE 6406

A high-efficiency monograde mineral engine oil for heavy-load diesel-powered engines with and without a turbocharger operating under extra-harsh conditions at ambient temperatures more than -15 °C.





1L FF6201-1 20L FF6201-20 60L FF6201-60 208L FF6201-DR

# M-4T+

Synthetic 4-stroke Engine Oil

SAE 10W-40 API SL JASO MA/MA2

An innovative synthetic ester-containing engine oil for 4-stroke high-load engines of motorcycles, pit bikes, motards, etc. for off-road (enduro, motocross, trials, etc.) and highway (stuntriding, supermoto, etc.) driving under extreme loads. It was designed for a guaranteed protection of the engine and the durability of the gearbox.



 20L
 FF6208-20
 60L
 FF6208-60

 208L
 FF6208-DR
 1000L
 FF6208-IBC

**S-4T**+

Synthetic Blend Engine Oil

SAE 20W-50 API SN JASO MA/MA2

A universal all-season synthetic-based engine oil for 4-stroke normal- and high-load engines (including 2-cylinder V-type) for highway, off-road and racing motorcycles. It was designed for a guaranteed protection of the engine and the durability of the gearbox.

# PRODUCT CODE 6208

PRODUCT CODE **6201** 

Universal 2-stroke Engine Oil

API TC JASO FB ISO-L-EGB



PRODUCT CODE



FF6202-1 FF6202-20 60L FF6202-60 208L FF6202-DR 1000L FF6202-IBC A universal high-quality mineral-based engine oil for modern highload and high-speed 2-stroke engines with air cooling. It is suitable for the lubrication by a pre-mixed blend and an automatic mixing in an engine intake.

# OUTBOARD '

Synthetic 2-stroke Engine Oil

API TD NMMA TC-W3



A high-quality synthetic base engine oil for modern 2-stroke petrol-powered outboard engines with water cooling that use petrol-oil mix. It is produced from a highly-purified basic oil and a special ashless additive package.





20L FF6101-20 60L FF6101-60 208L FF6101-DR 1000L FF6101-IBC

# TRD SHPD

**Universal Truck Engine Oil** 

SAE 15W-40 API CH-4/SL ACEA E7 ACEA A3/B4

MAN M 3275-1 MB 228.3/229.1 VOLVO VDS-2 MTU Type 2

Multigrade mineral engine oil with the addition of hydrosynthetic components for modern heavy-duty and high-speed turbocharged and non-turbocharged diesel engines operating under severe conditions. Especially designed to protect your equipment and get the most out of it, regardless of its operating conditions.



 5L
 FF6102-5
 7L
 FF6102-7

 20L
 FF6102-20
 60L
 FF6102-60

 208L
 FF6102-DR
 1000L
 FF6102-IBC

# TRD 50

**Universal Truck Engine Oil** 

SAE 20W-50 API CH-4/SL ACEA E7 ACEA A3/B4

MAN M 3275-1 MB 228.3/229.1 VOLVO VDS-2 MTU Type 2

Special multi-season, highly alloyed mineral engine oil with the addition of hydrosynthetics for modern, heavy-duty and high-speed diesel engines with and without turbocharging, operating in extremely difficult conditions (including, at high ambient temperatures) and for engines with high mileage.

# PRODUCT CODE **6101**

PRODUCT CODE

6102

# FF6103-20 FF6103-60 60L 1000L FE6103-IBC 208L FE6103-DB

Universal Truck Engine Oil

SAE 10W-40 API CH-4/SL ACEA E7 ACEA A3/B4

MAN M 3275-1 MB 228.3/229.1 VOLVO VDS-2 MTU Type 2



PRODUCT CODE 6104

All-year-round mineral engine oil for modern heavy-duty and highspeed diesel engines with and without turbocharging operated in difficult conditions. Designed specifically to protect machinery and benefit most out of it regardless of operating conditions.

# SUPER SHPD

Universal Truck Engine Oil

SAE 15W-40 API CI-4 Plus API CI-4/CH-4/SL ACEA E7 ACEA A3/B4 JASO DH-1

GLOBAL DHD-1 CATERPILLAR ECF-2/ECF-1-a CUMMINS CES 20076/-77/-78 DETROIT DIESEL 93K215 MACK EO-N/EO-M Plus

MAN M 3275-1 MB 228.1/228.3 MTU Type 2 **RENAULT RLD-2** VOLVO VDS-3

Innovative all-weather mineral+ester motor oil for modern heavyduty and high-speed diesel engines with and without turbocharging, operated in difficult conditions. The oil complies with the Global Specification GLOBAL DHD-1.



		5L	FF6104-5
7L	FF6104-7	10L	FF6104-10
20L	FF6104-20	60L	FF6104-60
2081	FF6104-DR	10001	FF6104-IBC



5L	FF6105-5	10L	FF6105-10
20L	FF6105-20	60L	FF6105-60
2081	EE6105-DD	10001	EEG105-IBC

# TRD-W **UHPD**

Semi-synthetic Truck Engine Oil

SAE 10W-40 API CI-4 Plus API CI-4/CH-4/SL ACEA E7 ACEA A3/B4 JASO DH-1

GLOBAL DHD-1 MTU Type 2 MAN M 3275-1 CATERPILLAR ECF-2/ECF-1-a CUMMINS CES 20076/-77/-78 MB 228.3/228.1 VOLVO VDS-3 **DETROIT DIESEL 93K215 RENAULT RLD-2** MACK EO-N/EO-M Plus

Innovative all-weather semi-synthetic (esters + HC-synthes) motor oil for modern heavy-duty and high-speed diesel engines with and without turbocharging, operated in difficult conditions. The oil complies with the Global Specification GLOBAL DHD-1.

PRODUCT CODE 6105



10L FF6106-10 20L FF6106-20 208L FF6106-DR 1000L FF6106-IBC

# TRD E4

UHPD

Synthetic Truck Engine Oil

SAE 10W-40 API CI-4 ACEA E4 ACEA E7

DAIMLER DTFR 15B120 Approval MTU Type 3 Approval MAN M 3277 Approval SCANIA LDF-3 Approval CUMMINS CES 20077/-78

MACK EO-N RENAULT RLD-2 VOLVO VDS-3 VOITH Class B PRODUCT CODE

PRODUCT CODE **6107** 

6106

All-weather modern synthetic motor oil for heavy-duty and highspeed diesel engines with and without turbocharger, operating in difficult conditions.



20L FF6107-20 60L FF6107-60 208L FF6107-DR 1000L FF6107-IBC

# TRD E6

Synthetic Truck Engine Oil

SAE 10W-40 API CK-4/CJ-4 ACEA E8 ACEA E11

MACK EOS-4.5 Approval RENAULT VI RLD-3 Approval VOLVO VDS-4.5 Approval MAN M 3477 Approval MAN M 3775 MB 228.51/228.31 IVECO (ACEA E6)
DAF (ACEA E6)
CATERPILLAR ECF-3
CUMMINS CES 20086
DETROIT DIESEL
DDC 93K222

All-weather synthetic motor oil for heavy-duty and high-speed diesel engines of the latest generation with and without turbocharger, operating in severe conditions on low sulphur fuel.



10L FF6108-10 20L FF6108-20 208L FF6108-DR 1000L FF6108-IBC TRD-8

Fully Synthetic Truck Engine Oil

SAE 5W-30 API CI-4 ACEA E4 ACEA E7

MB 228.5 VOLVO VDS-3 MACK EO-N MTU Type 3 RENAULT RLD-2 MAN M 3277/M 3377 CUMMINS CES 20076/-77/-78 DETROIT DIESEL 93K215

Energy-saving synthetic (PAO-based) motor oil for heavy-duty and high-speed diesel engines of the latest generation with and without turbocharging, operating in difficult conditions.

# PRODUCT CODE **6108**



5L FF6110-5 10L FF6110-10 20L FF6110-20 208L FF6110-DB 1000L FF6110-IBC

# TRD-10

Synthetic Truck Engine Oil

SAE 5W-40 API CI-4/SL ACEA E7 ACEA E4

MB 228.5 MAN M 3277 M

MTU Type 3 MACK EO-N RENAULT RLD-2 PRODUCT CODE 6110

The universal all-season synthetic engine oil for modern high-load and high-speed diesel engines with and without turbocharging, operating in harsh conditions and at low ambient temperatures.



208L FF6112-DR 20L FF6112-20 1000L FF6112-IBC

# TRD-12

Semi-synthetic Truck Engine Oil

SAE 10W-30 API CI-4 Plus API CI-4/CH-4/SL ACEA A3/B4, E7

MB 228.3 MB 228.1 MAN M 3275-1 VOLVO VDS-3 RENAULT RLD-2 GLOBAL DHD-1 JASO DH-1 MTU Type 2 MACK EO-N/EO-M Plus CATERPILLAR ECF-2/ECF-1a CUMMINS CES 20076/-77/-78 DETROIT DIESEL 93K215

PRODUCT CODE 6112

PRODUCT CODE

6114

All-weather semi-synthetic (HC synthesis) motor oil for modern heavy-duty and high-speed diesel engines with and without turbocharging, operated in difficult conditions. Designed specifically to protect machinery and benefit most out of it regardless of operating conditions.



208L FF6114-DR 20L FF6114-BC

# TRD-14

Synthetic Truck Engine Oil

SAE 15W-40 API CK-4 ACEA E7-22 ACEA E9-16 ACEA E11-22

JASO DH-2 MB 228.31 MACK EOS-4.5 Approval RENAULT RLD-3 Approval VOLVO VDS-4.5 Approval CUMMINS CES 20086 CATERPILLAR ECF-3 DETROIT DIESEL DDC 93K223 MAN M 3775

Innovative all-weather synthetic motor oil for heavy-duty and highspeed diesel engines with and without turbocharger, operating in difficult conditions.



10L FF6115-10 20L FF6115-20 60L FF6115-60 208L FF6115-DB

# TRD-15

Universal Truck Engine Oil

SAE 20W-50 API CI-4 Plus API CI-4/CH-4/SL ACEA E7 ACEA A3/B4 JASO DH-1

MB 228.1/228.3 MAN M 3275-1 VOLVO VDS-3 RENAULT RLD-2 MACK EO-N MACK EO-M Plus GLOBAL DHD-1 MTU Type 2 CATERPILLAR ECF-2 CATERPILLAR ECF-1-a CUMMINS CES 20076/-77/-78 DETROIT DIESEL 93K215

PRODUCT CODE

PRODUCT CODE

6115

Special multi-season, highly alloyed mineral engine oil with the addition of hydrosynthetics for modern, heavy-duty and high-speed diesel engines with and without turbocharging, operating in extremely difficult conditions (including, at high ambient temperatures) and for engines with high mileage.



 20L
 FF6117-20
 60L
 FF6117-60

 208L
 FF6117-DR
 1000L
 FF6117-IBC

# TRD-17

Fully Synthetic Truck Engine Oil

SAE 5W-30 API CK-4 ACEA E8 ACEA E11

MB 228.51 MAN M 3677 VOLVO VDS 4.5 RENAULT RLD-3 MACK EOS-4.5 SCANIA LDF-4 DETROIT DIESEL DDC93K222 IVECO (ACEA E6-2016) DAF (ACEA E6-2016) CATERPILLAR ECF-3 CUMMINS CES 20086

Energy-saving synthetic (PAO-based) motor oil for heavy-duty and high-speed diesel engines of the latest generation with and without turbocharging, operating in severe conditions on low sulphur fuel. Designed specifically to protect machinery and benefit most out of it regardless of operating conditions.



20L FF6118-20 20BI FF6118-DB 1000I FF6118-IBC

# TRD-18

Synthetic Truck Engine Oil

SAE 15W-40 API CK-4 ACEA E8 ACEA E11

MB 228.31 MB 228.51 MAN M 3775 VOLVO VDS-4.5 MACK EOS-4.5 RENAULT RLD-3 DETROIT DIESEL DDC93K222 IVECO (ACEA E6-2016) DAF (ACEA E6-2016) CATERPILLAR ECF-3 CUMMINS CES 20086

Innovative all-weather synthetic motor oil for heavy-duty and highspeed diesel engines of the latest generation with and without turbocharger, operating in severe conditions on low sulphur fuel. Designed specifically to protect machinery and benefit most out of it regardless of operating conditions.

PRODUCT CODE 6118



2081 FF6120-DB 1000

20L FF6120-20

# TRD-20

Synthetic Truck Engine Oil

SAE 10W-30 API CJ-4/CK-4 ACEA E8 ACEA E11

JASO DH-2 MB 228.31/228.51 MB 235.28 SCANIA Low Ash MAN M 3677 MAN M 3477 VOLVO VDS-4 RENAULT Truck RLD-3

MACK EO-O Premium Plus MACK EO-O Premium Plus -07 MTU Type 3.1 CATERPILLAR ECF-2 CATERPILLAR ECF-3 CUMMINS CES 20081 DETROIT DIESEL DDC 93K218 VOITH Retarder Class B

PRODUCT CODE

PRODUCT CODE

Innovative all-weather ester-containing synthetic motor oil for heavy-duty and high-speed diesel engines with and without turbo-charger, operating in difficult conditions.



208L FF6121-DR 20L FF6121-20 1000L FF6121-IBC TRD-21

Synthetic Truck Engine Oil

SAE 10W-30 API CK-4/SN API CJ-4/CI-4 Plus ACEA E8 ACEA E11 JASO DH-2

VOLVO VDS-4.5 Approval MACK EOS-4.5 Approval MAN M 3775/M 3575 MB 228.31 ALLISON TES-439 MTU Type 2.1 RENAULT Truck VI RLD-3 Approval
RENAULT Truck RLD-4
DETROIT DIESEL DDC93K222/DDC93K223
FORD WSS-M2C171-F1
CATERPILLAR ECF-3
CUMMINS CES 20086/-87

Innovative all-weather ester-containing synthetic motor oil for heavy-duty and high-speed diesel engines of the latest generation with and without turbocharger, operating in severe conditions on low sulphur fuel.



208L FF6123-DR 20L FF6123-20

TRD-23

Synthetic Truck Engine Oil

SAE 5W-30 API FA-4 API SN

JASO DH-2/DH-1 JASO DL-0 CUMMINS CES 20087 DETROIT DIESEL DFS 93K223 MB 228.61

Innovative energy-saving synthetic (contains PAO) low-viscosity engine oil developed for the latest generation of turbocharged diesel engines operating under severe conditions, using ultra-low sulphur fuel (15 ppm or less) and equipped with exhaust gas aftertreatment systems: SCR, EGR and DPF. Provides engine protection in accordance with EPA 2010 and GHG 17.

VOLVO VDS-5



208L FF6124-DR 20L FF6124-20 208L FF6124-DR 1000L FF6124-IBC

# TRD-24

Synthetic Truck Engine Oil

SAE 5W-20 SCANIA LDF-5 MAN M 3977

Innovative energy-saving synthetic (contains PAO) ultra-low viscosity engine oil developed for the latest generation of turbocharged diesel engines operating under severe conditions, running on low and ultra-low sulphur fuels, and equipped with exhaust gas aftertreatment systems: SCR, EGR and DPF, as well as diesel oxidation catalysts (DOC). Developed to meet the requirements of SCANIA and MAN.









1L FF8601-1 20L FF8601-20 60L FF8601-60 208L FF8601-DR

# CVT

### Fully Synthetic CVT Fluid

BMW EZL 799A/83 22 0 429 154
FORD WSS-M2C928-A/M2C933-A
FORD CVT Fluid 23/CVT Fluid 30/Mercon C
HONDA HMMF/08260-99904/HCF-2
MITSUBISHI DiaQueon CVT Fluid J1/J4
TOYOTA CVT Fluid TC/CVT Fluid FE
SUBARU for LINEARTRONIC/K0425Y0710
SUBARU i-CVT Fluid/Fluid FG

DAIHATSU AMMIX CVTF-DC CHRYSLER CVT Fluid NS-2 GM SATURN DEX-CVT JEEP CVT Fluid NS-2 MB 236.20 MOPAR CVTF +4 MAZDA CVT Fluid JWS 3320 NISSAN CVT NS-1/CVT NS-2 VW G 052 180/TL 52 180

PRODUCT CODE 8601

PRODUCT CODE 8602

A special synthetic gear oil for CVT (Continuously Variable Transmission) – variable-speed gears. It was specially developed for use in continuously variable transmissions with a rigid articulated chain or a steel pull chain. It ensures a flawless operation of an automatic gearbox, guarantees minimal wear, a lasting service life of a transmission and fuel economy.



 1L
 FF8602-1
 4L
 FF8602-4ME

 20L
 FF8602-20
 60L
 FF8602-60

 208L
 FF8602-DR
 1000L
 FF8602-IBC

# ATE

### **Automatic Transmission Fluid**

JASO M315 Type 1A
JATCO ATF 3100 PL085
AISIN WARNER JWS 3309
VW/Audi G 052 025/162/990/025
BMW 83 22 0 403 248/
BMW 83 22 2 163 514
BMW 83 22 9 407 765 (LA 2634)
BMW 83 22 9 407 807
FORD Mercon V/SP/LV/ATF Type F
GM Dexron II/II D/F/III F/III G/III H

CHRYSLER ATF+3/ATF+4
HONDA ATF-Z1/ATF DW-1
HYUNDAI/KIA ATF SP-II/-III
MAN 339F/1/V2/Z1/Z2
MAZDA ATF M-III/ATF-MV
MB 236. 1/2/3/5/6/7/9/10/11
MITSUBISHI DIAMOND SP-II
MITSUBISHI DIAMOND SP-III
NISSAN Matic D/J/K

Complete info: www.fanfaro.de

A universal all-season high-viscosity synthetic transmission fluid (ATF) for automatic gearboxes. It was specially developed for all modern automatic gearboxes (manual or sequential modes, electronic control, etc.) equipped with and without a hydraulic converter lock-up.



# 1L FF8604-1 4L FF8604-4 20L FF8604-20 60L FF8604-60 208L FF8604-DR 1000L FF8604-IBC

# ATF II D

8604

PRODUCT CODE

PRODUCT CODE 8603

### **Automatic Transmission Fluid**

GM Dexron II D MB 236.5/236.7 MAN 339 V1/339 Z1 ALLISON C4 CATERPILLAR TO-2 VOITH H 55.6335.xx (G607) ZF TE-ML 03D/04D ZF TE-ML 11A/14A ZF TE-ML 17C RENK

A universal all-season mineral-based transmission fluid (ATF) for automatic gearboxes, hydraulic power steering systems, cab tilt mechanisms, car hydraulic clutches and other hydraulic devices, including the ones operating under heavy-duty conditions in trucks and off-road vehicles.



1L	FF8603-1	4L	FF8603-4
20L	FF8603-20	60L	FF8603-60
208L	FF8603-DR	1000L	FF8603-IBC

# ATF III

### Automatic Transmission Fluid

GM Dexron III H/G/F FORD Mercon V FORD ESP-M2C138-CJ FORD ESP-M2C166-H ALLISON C4/TES 389 MAN 339 Type V1 MAN 339 Type Z1 MB 236.1/236.5/236.9 CATERPILLAR TO-2 VOITH H 55.6335.xx (G607) ZF TE-ML 09 ZF TE-ML 11 ZF TE-ML 14 Others PSF Applications

A universal all-season synthetic-based transmission fluid (ATF) for automatic gearboxes, hydraulic converters, hydraulic power steering systems, car hydraulic clutches and other hydraulic devices, including the ones operating under heavy-duty conditions in trucks and off-road vehicles.



1L FF8615-1 20L FF8615-20 208I FF8615-DB 1000I FF8615-IBC

# ATF VI

### Automatic Transmission Fluid

JASO M315, Class 1-A-LV
AISIN WARNER JWS 3309/3324
AISIN WARNER ATF-0T4
AISIN WARNER ATF-0WS
CITROEN Z 000169756
ALLISON C4/C3/C2
ALLISON 389
BENTLEY PY112995PA
BOSCH TE-ML 09
FORD Mercon LV

FORD ESP-M2C138-CJ
FORD ESP-M2C166-H
FORD XT-10-QLV [LV]
FORD XT-2-QDX [M]
FORD XT-2-QSM [Syn]
FORD XT-5-QM [V]
FORD XT-5-QSM [V Syn]
FORD XT-6-QSP [SP]
FORD XT-8-QAW [Premium]
Complete info: www.fanfaro.de

A universal all-season synthetic transmission fluid (ATF) for automatic gearboxes, hydraulic converters, hydraulic power steering systems, car hydraulic clutches and other hydraulic devices, including the ones operating in heavy-duty conditions in trucks and off-road vehicles.

# ATT SPAIN

1L FF8607-1 20L FF8607-20

# ATF SP-III PRODUCT CODE 8607

Automatic Transmission Fluid

HYUNDAI ATF SP-III KIA ATF-SP-III MITSUBISHI ATF SP-III

A special synthetic transmission fluid (ATF) for automatic gearboxes of MITSUBISHI, HYUNDAI, KIA vehicles. It ensures a flawless operation of an automatic gearbox, guarantees minimal wear, a lasting service life of transmissions and fuel economy. It is designed on the basis of the requirements set by Korean car manufacturers.



20L FF8605-20 208L FF8605-DR

# ATF SP-IV 8605

### **Automatic Transmission Fluid**

JASO M315, Class 1-A-LV HONDA/ACURA DW-1/ ATF Type 3.0/ATF Type 3.1 HONDA/ACURA ATF Z1, P/N 08200-9001 NISSAN/INFINITI Matic S/Matic W BMW/MINI 83 22 0 142 516 (1375.4) BMW/MINI 83 22 0 397 114 BMW/MINI 83 22 2 152 426 BMW/MINI 83 22 2 289 720 BMW/MINI 83 22 2 163 514 BMW/MINI 83 22 2 305 397 FORD XT-10-QLVC/XT-6-QSP/XT-6-DSP HYUNDAI/KIA
NWS-9638 T-5/SP-IV/SPH-IV/SP-IV-RR
LEXUS Scion FZ/Type WS/JWS 3324
MAZDA FZ/FW 6A EL/ FW 6AX EL
MB 236.12/236.14/236.15/236.41
MITSUBISHI ATF-J3/Dia Queen ATF-PA
OPEL GM SATURN GMC AW1-VI
OPEL GM SATURN GMC 88863400
OPEL GM SATURN GMC 88863401
TOYOTA Scion FZ
TOYOTA Type WS (JWS 3324)
Complete info: www.fanfaro.de

PRODUCT CODE

Special low viscosity synthetic gear oil (ATF) with a special additive package for HYUNDAI 6-speed automatic transmissions. Designed based on the requirements of Korean car manufacturers.



20L FF8610-20 60L FF8610-60 208L FF8610-DR 1000L FF8610-IBC

# ATF T-IV

I-IV 8610

**Automatic Transmission Fluid** 

JASO M315 Type 1A TOYOTA JWS 3309, 08886-81015 TOYOTAType D-II TOYOTAType T/T-II/T-III/T-IV

A special synthetic transmission fluid (ATF) for automatic gearboxes of TOYOTA/LEXUS vehicles with new-generation TOYOTA and AISIN AW gearboxes. It ensures a flawless operation of an automatic gearbox, guarantees minimal wear, a lasting service life of transmissions and fuel economy. It was developed on the basis of the requirements set by the company AISIN WARNER.



FF8614-1 201 FF8614-20 2081 FE8614-DB

### **Automatic Transmission Fluid**

JASO-M315, Class 1-A-LV VW/AUDI LT 71141 VW/AUDI G 052 162/533/990 VW/AUDI G 053 001 VW/AUDI G 055 005/025/162/540 VW/AUDI G 060 162/540 VW/AUDI G US 000 162 MB 236.15/16/17/41 MB A 0019892203/ATF 3403-M115 ZE LifequardFluid 5/ 6/ 8/ 9 ZF TE-ML 11A/11B

BMW 81 22 9 400 272/275/407 858 (859) BMW 83 22 0 024 249 (359)/026 922/142 516/ 397 114/402 413 BMW 83 22 0 403 248/249 BMW 83 22 2 152 426/163 514/220 438 (440)/ 220 442/289 720/305 396 (397)/355 599 (601) BMW 83 22 7 542 290/9 407 765/9 407 807 BMW ATF 3+/ 4/ 6 BMW ETL-7045/E BMW ETL-8072B/LA 2634/LT 71141/M-L12108

PRODUCT CODE

8614

Complete info: www.fanfaro.de

A special all-season synthetic transmission fluid (ATF) for modern 8-speed automatic gearboxes of all types and 6-speed automatic gearboxes of the ZF Group. It ensures a flawless operation of an automatic gearbox, guarantees minimal wear, a lasting service life of transmissions and fuel economy even under extreme loads.



FF8613-1 FF8613-20 208L FF8613-DR

### Automatic Transmission Fluid

JASO Type 1A ALLISON C4 ATF JWS 3309 ACURA Z-1 VW G 052 025-A2/G 052 055 VW G 052 162 -A1/G 052 162-A2 VW G US 000 162/G 055 025-A2 VW G 055 005/G 052 990-A2

ZF TF-MI 11A ZF TE-ML 11B FORD XT-2-QDX (M) FORD XT-2-QSM [Syn] FORD XT-8-QAW (Premium) FORD XT-5-QM FORD WSS-M2C922-A1 Complete info: www.fanfaro.de

PRODUCT CODE

A special all-season synthetic transmission fluid (ATF) for newgeneration 6-speed automatic gearboxes of the ZF Group. It ensures a flawless operation of an automatic gearbox, guarantees minimal wear, a lasting service life of transmissions and fuel economy even under extreme loads.



FF8612-1 FF8612-20 208L FF8612-DB

### **Automatic Transmission Fluid**

JASO M315 Type 1A MB 236.1/-.2/-.5/-.6/-.7/-.8/-.9 MB 236.91/-.10/-.11 MB ATF 3403-M115 MB A 0019892203 VW LT 71141 VW G 052 162 [AG4] VW G 052 990-A2/G 055 025-A

BMW ATF4 BMW ETL-7045/-7045 E BMW ETL-8072B BMW LA 2634 BMW LT 71141 BMW 81 22 9 400 272/-275 BMW 81 22 9 407 858/-859 Complete info: www.fanfaro.de

A special all-season synthetic transmission fluid (ATF) for modern 4-5-speed automatic transmission gearboxes of the ZF Group. It is not suitable for 6-speed automatic transmissions. It ensures a flawless operation of an automatic gearbox, guarantees minimal wear, a lasting service life of transmissions and fuel economy even under maximum loads.

PRODUCT CODE

# FASIFANO. 20L FF8616-20 208L FE8616-DB

# PRODUCT CODE

### **Dual Clutch Transmission Fluid**

VW G 052 182/G 052 529 VW 6-speed BMW 83 22 2 148 578 BMW 83 22 2 148 579 BMW 83 22 0 440 214 BMW 83 22 2 147 477 BMW Drivelogic 7-speed (Getrag) BMW DCTF-1/ DCTF-1+ BMW 6-speed DCT BMW MTF-LT-5

FORD WSS-M2C936-A NISSAN WSS-M2C936-A CHRYSLER 68044345 EA&GA CHRYSLER Powershift 6-speed (Getrag) MB 236.21 MB 001 989 85 03 MITSUBISHI MZ320065 MITSUBISHI TC-SST 6-speed (GFT) PORSCHE 999.917.080.00 Complete info: www.fanfaro.de

A special synthetic gear oil (containing PAO) for DCT - dual clutch transmission/DSG - Direct Shift Gearbox or "robots". It is not recommended for gearboxes with a "dry" clutch. It ensures a flawless operation of a gearbox, guarantees minimal wear, a lasting service life and fuel economy.



FF8616-1

FF8710-1 11 FF8710-20 208L FF8710-DR

### Fully Synthetic Gear Oil

SAE 75W-80 API GL-4

VW G 052 171/178/512/532/527 VW G 052 726/798/G 009 317/G 055 726 BMW MTF LT-1/LT-2/LT-3/LT-4 MITSUBISHI MZ312644 3005401 NISSAN 999MP-MTF20P KE91699932R

FORD WSS-M2C200-D2 PEUGEOT 9730 A2/A8 PSA B71 2330 MB 235.10 TOYOTA JWS 227

PRODUCT CODE 8710

A latest-generation energy-conserving synthetic gear oil for manual transmissions. It is recommended for use in all types of 5and 6-speed synchronized manual transmissions, including transmissions with an incorporated differential of front wheel drive vehicles, transfer cases and main gears, in which the application of the standard GL-4 is prescribed. It was developed on the basis of the requirements set by the BMW group.



FF8707-1 FF8707-20 60L FF8707-60 208L FF8707-DR 1000L FF8707-IBC

# 1AX 6+

PRODUCT CODE 8707

### Fully Synthetic Gear Oil

SAE 75W-140 API GL-5 LS (Limited Slip) MIL-L-2105 D MAN M 342 SCANIA STO 1:0

All-season last-generation gear oil (contains PAO) specially designed for the lubrication of all types of differentials, including excessive friction differentials where the oil "Limited Slip Oil API GL-5" is required. It was developed for hypoid, bevel and spiral gears.

# 75W-90

20L FF8706-20 60L FF8706-60 208l FF8706-DB 1000l FF8706-IBC

# МАХ 6

Fully Synthetic Gear Oil

SAE 75W-90 API GL-4/GL-5 MAN 342 Type M1/M2/M3 MACK GO-J/GO-J Plus SCANIA STO 1:0

A universal last-generation energy-conserving all-season synthetic gear oil for all types of manual transmissions. It is recommended for use in all types of synchronized manual transmissions (including heavy-duty), in differentials, steering equipment and other transmission parts where an excessive pressure and impact load is encountered and in which the use of standards GL-4 and/or GL-5 is prescribed.



 4L
 FF8703-4
 1L
 FF8703-10

 20L
 FF8703-20
 60L
 FF8703-60

 208L
 FF8703-DR
 1000L
 FF8703-IBC

# MAX 5

LS High Performance Gear Oil

SAE 80W-90 API MT-1 API GL-4/GL-5 LS (Limited Slip))

MIL-L-2105 D MACK GO-J MAN 342

A universal all-season mineral-based gear oil. It was developed for hypoid gears withstanding extreme loads; in heavy-duty bevel, cylindrical and worm pairs. It is recommended for use in differentials (including excessive friction – LS). It may be used for all types of manual transmissions, including the ones withstanding extremely heavy loads and high temperatures and in other transmission parts where extreme pressure and impact loads are encountered.



 4L
 FF8702-4

 60L
 FF8702-80

 20L
 FF8702-DB

 20BL
 FF8702-DB

# **MAX 4+**

Fully Synthetic Gear Oil

SAE 75W-90 API GL-4+ MILL 2105 VW 501 50

An all-season universal last-generation energy-conserving gear oil (containing PAO) designed specially for the lubrication of manual transmissions with an incorporated differential of front drive vehicles. It is suitable for all types of synchronized and non-synchronized manual transmissions (including heavy-loaded). It was developed on the basis of the requirements set by the VW Group.

# PRODUCT CODE **8702**

PRODUCT CODE

PRODUCT CODE **8703** 

8706

 1L
 FF8701-1
 4L
 FF8701-4

 20L
 FF8701-20
 60L
 FF8701-60

 208L
 FF8701-DR
 1000L
 FF8701-IBC

# MAX 4

Universal Gear Oil

SAE 80W-90 API GL-4 MIL L 2105 PRODUCT CODE **8701** 

A universal all-season mineral-based gear oil. It was developed for all types of synchronized and non-synchronized manual transmissions, drive axles and other components of manual transmissions operating under sustainable and heavy loads.



 1L
 FF8712-1
 20L
 FF8712-20

 208L
 FF8712-DR
 1000L
 FF8712-IBC

# MAX 2

Gear Oil

SAE 140 API GL-1 PRODUCT CODE **8712** 

A mineral simple-composition gear oil for mild operating conditions (low loads and sliding velocities). It may be recommended for the lubrication of accessory equipment to be installed in special vehicles (reducers in autocranes, mechanisms on garbage trucks, side lifting components, etc.) when operating at temperatures no lower than  $0\,^{\circ}\text{C}.$ 



1L FF8711-1 20L FF8711-20 208L FF8711-DR 1000L FF8711-IBC

# MAX 1

Gear Oil

SAE 90 API GL-1 PRODUCT CODE **8711** 

A mineral simple-composition gear oil for mild operating conditions (low loads and sliding velocities). It may be recommended for the lubrication of accessory equipment to be installed in special vehicles (reducers in autocranes, mechanisms of garbage trucks, side lifting components, etc.) when operating at temperatures no lower than –  $18\,^{\circ}\text{C}$ .



10L FF8708-10 20L FF8708-20

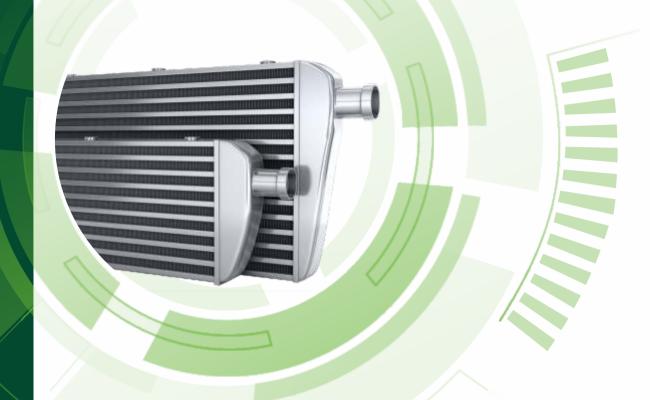
# **HYPOID**

Universal Hypoid Gear Oil

SAE 85W-140 API GL-5 LS (Limited Slip) MIL-L 2105 D

A universal all-season high-viscosity mineral-based gear oil for manual transmissions. It was developed for a safe and reliable operation of self-locking differentials (differentials with excessive friction/limited slip – LS), main gears with hypoid pinions and other manual transmission parts with bevel, worm and cylindrical pairs withstanding extreme (including impact) loads and high operating temperatures.







G12+

### **ANTIFREEZE**

### Ready-to-use Longlife Coolant Fluid

SAE J1034
ASTM USA D3306/D4656
ASTM USA D4985/D6210
FVV GERMANY Heft R443
KSM SOUTH KOREA 2142
MIL BELGIUM BT-PS-606-A
MIL FRANCE DCSEA 615/C
MIL ITALY E/L-1415b
MIL SWEDEN FSD 8704

NATO S-759 JASO M325 VW TL 774 D/F BMW GS 94000 BRB BR 637 DAF 74002 MAN 324 SNF MB 325.3 MTU MTL 5048 AFNOR FRANCE NF R15-601
(except for RA)
CASE NEW HOLLAND MAT 3624
CATERPILLAR MAK A4.05.09.01
CUMMINS CES 14439/14603
CUMMINS IS series N14
DACIA 41-01-001/001-T
DETROIT DIESEL 93K217
Complete info: www.fanfaro.de

PRODUCT CODE 4012

A carboxylated (organic – OAT Organic Acid Technology) ready-foruse solution, designed for a year-round use in any modern cooling systems for which the use of ethylene-glycol-based antifreeze is recommended.

5L FF4012-5



**ム i ゴ** Antifreeze

### Ready-to-use Hightec Coolant Fluid

ASTM USA D3306/D4340 ASTM USA D4985 AFNOR FRANCE NF R15-601 OPEL/VAUXHALL GME L1301 FORD ESE-M978B4H-A FORD ESE-M978B4H-AF Plus SAE J1034 MB 325.0 JAGUAR JOHN DEERE NATO S-759 MTU MTL 5048 BS 6580:2010 BMW/MINI GS 94000 GM 1825M/1899M GM SATURN OPEL/GM QL130100 MAN 324 Typ NF

PRODUCT CODE 4013

A hybrid (HOAT - Hybrid Organic Acid Technology) high-technology ready-to-use solution (which does not require dilution and protects the car cooling system at temperatures down to -40  $^{\circ}$ C) with excellent operating characteristics intended for a year-round use in any modern cooling system for which the use of mono-ethylene-glycol-based antifreeze is recommended.

FF4013-5

26



51

FF4212-5

FF4212-1

11

# G12+

### Ready-to-use Antifreeze

SAE J1034 ASTM USA D3306/D4656 ASTM USA D4985/D6210 FVV GERMANY Heft R443 KSM SOUTH KOREA 2142 MIL BELGIUM BT-PS-606-A MIL FRANCE DCSEA 615/C MIL ITALY E/L-1415b MIL SWEDEN FSD 8704

NATO S-759 JASO M325 VW TL 774 D/F BMW GS 94000 BRB BR 637 DAF 74002 MAN 324 SNF MB 325.3 MTU MTL 5048 AFNOR FRANCE NF R15-601
(except for RA)
CASE NEW HOLLAND MAT 3624
CATERPILLAR MAK A4.05.09.01
CUMMINS CES 14439/14603
CUMMINS IS series N14
DACIA 41-01-001/001-T
DETROIT DIESEL 93K217
Complete info: www.fanfaro.de

PRODUCT CODE

A carboxylated (organic – OAT Organic Acid Technology) ready-foruse solution, designed for a year-round use in any modern cooling systems for which the use of ethylene-glycol-based antifreeze is recommended.



1L FF4213-1

5L FF4213-5

# G13 COOLANT

### Ready-to-use Antifreeze

ASTM USA D3306/D4340 ASTM USA D4985 AFNOR FRANCE NF R15-601 OPEL/VAUXHALL GME L1301 FORD ESE-M978B4H-A FORD ESE-M978B4H-AF Plus SAE J1034 MB 325.0 JAGUAR JOHN DEERE NATO S-759 MTU MTL 5048 BS 6580:2010 BMW/MINI GS 94000 GM 1825M/1899M GM SATURN OPEL/GM QL130100 MAN 324 Typ NF

PRODUCT CODE

A hybrid (HOAT – Hybrid Organic Acid Technology) high-technology ready-to-use solution with excellent operating characteristics intended for a year-round use in any modern cooling system for which the use of mono-ethylene-glycol-based antifreeze is recommended.



01 AD3001-20 10L AD3001-10

# AdBlue®

High-purity Urea Solution

DIN 70070 ISO 22241-1/-2/-3



AdBlue® is a high-purity 32,5 % w/w urea solution which is used as an additional working fluid in diesel cars and trucks equipped with SCR technology (Selective Catalytic Reduction). The composition of AdBlue® is specified in DIN 70070. The use of such systems optimises engine performance, reduces the emission of harmful particles in exhaust gases and complies with the environmental standards Euro 4, Euro 5 and Euro 6.



20L FF4305-20 208L FF4305-DR

# TRUCK

Mega Concentrated Antifreeze BLUE

SAE J1034 ASTM USA D3306 ASTM USA D4340 ASTM USA D4985 VW TL 774 C NATO S-759

Concentrated antifreeze based on mineral inhibitors - IAT (Inorganic Acid Technology). Antifreeze intended for a year-round use in any modern cooling system for which the use of ethyleneglycol-based antifreeze is recommended.



FF4306-20 201 208L FF4306-DR 1000L FF4306-IBC

# RUCK **AFG PLUS**

Mega Concentrated Antifreeze RED

SAE J1034 AFNOR FRANCE NF R15-601 UNE SPAIN 26361-88 AS AUSTRALIA AS 2108 ASTM USA D3306/D4340 ASTM USA D4985 BS 6580

CUNA ITALY NC 956-16 FVV GERMANY Heft R443 MAZDA FORD WSS-M97B44-D FORD WSS-M97B44-D RENAULT 41-01-001

MB 325.3 MAN 324 SNF GM 6277 M VW TL 774 D/F VOLVO

PRODUCT CODE 4306

PRODUCT CODE

A carboxylated (organic - OAT Organic Acid Technology) concentrated antifreeze intended for a year-round use in any modern cooling system for which the use of ethylene-glycol-based antifreeze is recommended.



SAE J1034 ASTM USA D3306/D4340 ASTM USA D4985 FORD ESE-M978B4H-A/AF Plus

GM 1825 M/1899 M/SATURN

NATO S-759 RENAULT Typ D MAN 324 NF MB 325.0 JOHN DEERE

BMW DAF JAGUAR ROVER SAAB

PRODUCT CODE 4307

A hybrid (HOAT - Hybrid Organic Acid Technology) high-technology concentrated antifreeze with excellent operating characteristics intended for a year-round use in any modern cooling system for which the use of mono-ethylene-glycol-based antifreeze is recommended. It ensures a reliable protection of any cooling system.

# TRUCK AFG SUPER

Mega Concentrated Antifreeze **GREEN** 

201

# STOU Multifarm

2501 2502

PRODUCT CODE

2701

### **Agricultural Machinery Oil**

Range: SAE 10W-30/10W-40

API CG-4/CF-4/CF/CE/CD/SF API GL-4 ACEA E3 DIN 51524-3 HVLP

	SAE 10W-30
10L	FF2501-10
20L	FF2501-20
208L	FF2501-DR
1000	L FE2501-IBC

SAE 10W-40
20L FF2502-20
208L FF2502-DB

1000L FF2502-IBC

ALLISON C4 CASE I H MS 1204/1206/1207/1209
MB 227. 1/228.1 CASE NEW HOLLAND MAT 3525/3526
VOLVO WB 101 FORD ESN-M2C86-B/-C/-M2C134-D/-M2C159-B/-C
JOHN DEERE J20C/J20D FORD NEW HOLLAND 82009201/82009202/82009203
JOHN DEERE J27 MASSEY FERGUSON M 1135/1139/1143/1144/1145
CATERPILLAR TO-2 NEW HOLLAND MAT 3525/3526
EATON M-2950-S/I-286-S Complete info: www.fanfaro.de

A genuinely universal engine-transmission all-season semi-synthetic (HC-synthese) engine oil for modern diesel-powered engines of agricultural equipment with and without a turbocharger operating under harsh conditions.

# UTTO Multi WB 101

**Agricultural Machinery Oil** 

API GL-4 DIN 51524-2

ALLISON C4 VOLVO WB 101/97303 JOHN DEERE J20C/J20D PARKER DENISON HF-0/HF-1 PARKER DENISON HF-2 KUBOTA UDT Fluid CATERPILLAR TO-2 EATON M-2950-S/I-286-S CASE I H MS 1204/1206/1207/1209
CASE NEW HOLLAND MAT 3525/3526
FORD NEW HOLLAND ESN-M2C41-B/M2C86-A/-B
FORD NEW HOLLAND ESN M2C134-A/-C/-D
MASSEY FERGUSON CMS M 1135/1141/1143/1145
NEW HOLLAND NH 420A/410B
SPERRY VICKERS M-2950-S/I-280-S
SAUER SUNDSTRAND DANFOSS Hydro Static Trans Fluid

A universal and multi-functional mineral all-season tractor oil for farm holdings and tractors, agricultural vehicles with very high operating characteristics. Its main purpose: an oil for on-board gearboxes with a standard replacement interval.

10L FF2701-10 20L FF2701-20 208L FF2701-DR 1000L FF2701-IBC





# PRODUCT CODE



20L FF1101-20 4L FF1101-4 20L FF1101-DR

# KETTENOEL

Chainsaw Oil

ISO Viscosity Grade 100

A highly-purified mineral-based oil for the lubrication of cutting edges of petrol and electric saws with a manual and automatic oil supply.

SAE 10W 201 FF3101-20 208L FE3101-DB

SAE 20W\* FF3102 SAE 30\*

FF3103

SAE 40\* FF3104

SAE 50\*

FF3105 \*Contact our sales department for quantity and

volume details

ISO 46

ISO 100

FF2902-20

FF2902-DR

FF2901-20 208L FF2901-DR

Series

**Industrial Engine Oil** 

Range: SAE 10W/20W/30/40/50

CATERPILLAR Series 3 API CH-4 MIL L 2104 C DAVID BROWN DB OM 616

VOLVO B20 MACK EO-J PRODUCT CODE

A special highest-quality monograde (winter) mineral engine oil for medium-load diesel-powered engines with and without a turbocharger operating under various conditions at ambient temperatures more than -30 °C. It was designed especially for VOLVO and CATERPILLAR equipment that requires the presence of corresponding specifications.

# **COMPRESSOR** Oil Series

Industrial Compressor Oil

Range: ISO 46/100/150/220

ISO DP 6521 (L-DAA/L-DAB) ISO DP 6521 (L-DAG/L-DAH) DIN 51506 (VBL/VCL/VDL) DIN 51515-1 (L-TD)/-2 (L-TG) DIN 51517-2 (CL)/51524-1/-2 AFNOR FRANCE NF E 48-603 BROWN BOVERI HTGD 90117

MAG CINCINNATI P-38/P-55 MAG CINCINNATI P-54/P-57 MAG CINCINNATI P-62 MITSUBISHI E00-87182 PARKER DENISON HF-0 SIEMENS TLV 9013 MIL L 17672 D

CEGB 207001 GE GEK 32568 A GE GEK 32568 C VDMA 24568 US STEEL 120 BS 489

PRODUCT CODE

Specials highly-purified paraffin ashless mineral compressor oil with an extended replacement age. It ensures a stable and continuous operation of the equipment throughout the entire operation period.

ISO 150 201 FF2903-20

20L

20L

208L

208L FF2903-DR

ISO 220 208L FF2904-DR



	ISO 32
5L	FF2101-5
10L	FF2101-10
20L	FF2101-20
60L	FF2101-60
208L	FF2101-DR
10001	FF2101-IBC

	ISO 68
20L	FF2103-20
60L	FF2103-60
208L	FF2103-DR
1000L	FF2103-IBC

ISO 100\*

ISO 150\*

\* Contact our sales department for quantity and volume details

	ISO 32
20L	FF2201-20
208L	FF2201-DR
1000L	FF2201-IBC

		ISO 46
	20L	FF2202-20
	60L	FF2202-60
	208L	FF2202-DR
	10001	FF2202-IBC

	ISO 68
20L	FF2203-20
208L	FF2203-DR
1000L	FF2203-IBC

		ISO 22
	20L	FF2204-20
	208L	FF2204-DR
	1000L	FF2204-IBC

# **HYDRO**

### ieries

### Industrial Hydraulic Oil

Range: ISO 32/46/68/100/150

DIN 51524-2 (HLP) ISO 11158 (HM) EATON I-286-S US STEEL 126/127 CONESTOGA ISO 20763 AFNOR FRANCE NF E 48-603 MAG CINCINNATI P-68/P-69/P-70 PARKER DENISON HF-0/HF-1/HF-2 PARKER DENISON Filterability TP 02100 SPERRY VICKERS I-286-S

All-season mineral hydraulic oil created for hydraulic devices of stationary and mobile equipment operating in standard and high operating temperatures. It was developed taking into account the requirements for industrial hydraulic systems operating in the conditions of high loads, pressures, temperatures and/or velocities.

# **HYDRO HV**

### Series

### Industrial Hydraulic Oil

Range: ISO 32/46/68/22

SAE MS 1004 DIN 51524-2 (HM) DIN 51524-3 (HVLP) AIST 126/127 ASTM USA D6158 EATON M-2950-S EATON I-286-S3 ISO 11158 (HM, HV, HVLP) ANSI AGMA 9005-E02-RO BOSCH REXROTH RE 90220 JCMAS P041 HK Hydraulic GERMAN STEEL INDUSTRY SEB 181222 GM LS2 2202 2203 2204 MAG CINCINNATI P-68/P-69

PRODUCT CODE

PRODUCT CODE

MAG CINCINNATI P-68/P-69
MAG CINCINNATI P-70
PARKER DENISON HF-0
PARKER DENISON HF-1
PARKER DENISON HF-2
SPERRY VICKERS M-2950-S
SPERRY VICKERS I-286-S3

All-season mineral paraffin hydraulic oils with a high-viscosity index created for the hydraulic equipment of a mobile or stationary equipment operating at high and extra-high operating temperatures.

# HYDRO HV Zinc Free Series

PRODUCT CODE 2206

### Industrial Hydraulic Oil

Range: ISO 46/32

SAE MS 1004 DIN 51524-2 (HM) DIN 51524-3 (HVLP) AIST 126/127 ASTM USA D6158 EATON M-2950-S EATON I-286-S3 ISO 11158 (HM, HV, HVLP) ANSI AGMA 9005-E02-RO BOSCH REXROTH RE 90220 JCMAS P041 HK Hydraulic GERMAN STEEL INDUSTRY SEB 181222 GM LS2 MAG CINCINNATI P-68/-69/-70 PARKER DENISON HF-0/-1/-2 SPERRY VICKERS M-2950-S SPERRY VICKERS I-286-S3

All-season mineral hydraulic oils created on the basis of highly-purified basic oils with a high viscosity index and a zinc-free (low-ash) additive package for the most full compliance with specific operating requirements of modern high-load and heat-stressed precision hydraulic systems, including the ones equipped with servo mechanisms and servo valves used in industrial and mobile equipment for which the manufacturer recommends using "zinc-free" hydraulic oils.

ISO 46 20L FF2206-20

208L FF2206-DR

ISO 32 20L FF2208-20 208L FF2208-DR

# **TURBINE**

### Series

### **Industrial Turbine Oil**

Range: ISO 32/46/68

ISO DP 6521 DAA/DP DAB ISO DP 6521 DP DAH/DP DAG DIN 51506 (VBL/VCL/VDL) DIN 51515-1 (L-TD)/-2 (TG) DIN 51517-2/51524-1/-2/-3 AFNOR FRANCE NF E 48-603 BROWN BOVERI HTGD 90117 MAG CINCINNATI P-38/P-55 MAG CINCINNATI P-54/P-57 MAG CINCINNATI P-62 MITSUBISHI E00-87182 PARKER DENISON HF-0 SIEMENS TLV 9013 MIL L 17672 D CEGB 207001 GE GEK 32568 A GE GEK 32568 C VDMA 24568 US STEEL 120 BS 489

PRODUCT CODE

2601 2602

PRODUCT CODE

High-quality turbine (circulating) oil with an increased replacement age designed for the lubrication and cooling of bearings in stationary steam and water turbines at normal and elevated temperatures and manufactured on a highly-purified base.

ISO 32\*

ISO 46\* FF2302

ISO 68\* FF2303

\*Contact our sales department for quantity and volume details

# TO-4 Powertrain Oil Series

Industrial Machinery Oil

Range: SAE 10W/30/50

CATERPILLAR TO-4 KOMATSU KES 07.868.1 ALLISON C4 (off-road)

SAE 10W 20L FF2601-20 208L FF2601-DR

SAE 30 20L FF2602-20 208L FF2602-DR

SAE 50 20L FF2603-20 A special all-season transmission-hydraulic mineral oil designed for use in hydraulic systems, transmissions and gearboxes (including power ones), onboard gearboxes of other devices of off-road equipment with and without low-load brakes (clutches). It complies with strict CAT TO-4, requirements imposed for TDTO (Transmission/Drive Train Oil) lubricants by the CATERPILLAR company.

# GEAR OIL

PRODUCT CODE 2801

Industrial Gear Oil

ISO 220 DIN 51517-3 ISO 6743-6 (CKC) ISO 12925-1 Type CKC ISO 12925-1 Type CKD ANSI AGMA 252.04 US STEEL 224

20L FF2801-20 208L FF2801-DR 1000L FF2801-IBC An industrial mineral reduction gear oil for use in gear transmissions of modern imported and domestic equipment requiring the use of high-quality oils with enhanced antiwear and anti-scuffing EP (Extreme Pressure) properties.



# MARINE

09-Series

Marine Oil

PRODUCT CODE **2401** 

2401 2402 2403

SAE 30\* FF2401

> SAE 40\* FF2402

SAE 50\* FF2403

\*Contact our sales department for quantity and volume details Range:

MARINE 0930 - SAE 30 MARINE 0940 - SAE 40

MARINE 0950 - SAE 50

API CF-4 TBN 9

High-performance diesel engine oils developed for use on low sulphur distillate fuels in marine and industrial applications. They are formulated to have excellent resistance to oxidation and viscosity increase over a long period of service. They have superior water separating properties and provide excellent corrosion protection.

# MARINE 12-Series

Marine Oil

Range:

MARINE 1230 - SAE 30 MARINE 1240 - SAE 40

API CF-4 TBN 12

SAE 30\* FF2404

SAE 40\* FF2405

\*Contact our sales department for quantity and volume details 2404 2405

PRODUCT CODE

Highly effective mid-alkaline mineral motor oil for marine throttle and crosshead, main and auxiliary diesel engines operating on distillate fuel with a sulfur content of less than  $1.5\,\%$ .

### MARINE 3040 Marine Oil

PRODUCT CODE **2406** 

PRODUCT CODE **2407** 

SAE 40

API CF-4 TBN 30

### MARINE 3040\*

FF2406

\*Contact our sales department for quantity and volume details High-alkaline mineral motor oil for medium-speed heavy marine diesel engines operating on fuel oil with a sulfur content of up to  $4.0\,\%$ . Applicable for auxiliary engines.

# MARINE x70

Marine Oil

SAE 50 API CF TBN 70

MARINE X70\*

FF2407

\*Contact our sales department for quantity and volume details Superior quality, extra high performance, marine diesel engine cylinder oil. This bold new approach in cylinder lubricant technology provides maximum protection from adhesive and corrosive wear at the higher operating temperatures and pressures of today's modern crosshead engines. Through the use of unique formulation technology, this higher viscosity is attained with little or no use of thermally less stable, deposit-producing bright stock.



The FANFARO GmbH, associated with SCT Lubricants, is one of the market's leading lubrication producers, offering a full range of standard and special lubricants at competitive prices. A modern and unique packaging design, short delivery time and approvals of Original Equipment Manufacturers as well as superb quality for reasonable price complete the picture. With a production capacity of 700 tons per day in our own factory we have ensured the success of our clients in 170 countries on 5 continents since 1993.

The company was founded to meet the requirements of the European, Euro-Asian and American automotive industry with a special focus on the latest developments in engine technology. Our production site complies with the latest international standards and the international quality system according to ISO 9001, thus ensuring the high quality of our products.

We co-operate with the world's best distributors of raw materials used during the production of our lubricants for excellent product features and an optimum price-quality ratio.

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