



Atmus Filtration Technologies
Catenbergstraat 1, BE 2840 Rumst
Belgium, +32 2 808 76 83

Product Data Sheet

Fleetguard lubricants are currently available in Africa and the Middle East only.

FLEETGUARD ENGINE OIL 10W-40 CI-4 UHPD

Article number CL41008

Product information

Ultra High Performance (UHPD) synthetic motor oil with low SAPS technology to protect exhaust systems. Meets Euro 4, 5 and 6 standards and ensures engine cleanliness, fuel savings, and extended drain intervals.

Physical properties

Property/Test	Value/Result	ASTM Standard
Color	Brown	
Density at 20°C	0.86 kg/l	ASTM D 4052
Viscosity, kinematic at 40°C	98.1 cSt	ASTM D 445
Viscosity, kinematic at 100°C	14.7 cSt	ASTM D 445
Viscosity Index	156	ASTM D 2270
Viscosity, dynamic (CCS)	5,466 cP	ASTM D 5293
Flash Point	232 °C	ASTM D 92
Sulfated Ash	1.0 wt%	ASTM D 874
Pour point	-39 °C	ASTM D 97
TBN mgKOH/g	9,9	ASTM D2896
Phosphorus %	0,075	ASTM D4951
Zinc %	0,084	ASTM D4951

Performance

DTFR 15C110 (MB 228.51)

Volvo VDS-3

Renault VI RLD-2

Mack EO-N

API CI-4

ACEA E6

ACEA E7

ACEA E9

ACEA E8/E11

MB 226.9

MAN M 3477

MAN M 3271-1

Renault RXD

Caterpillar ECF-1-A

CES 20076

CES 20077

MTU type 3.1

Renault RGD

DAF

Deutz DQC TTCD,

DQC IV-18 LA

Iveco 18-1804 TLS E6

JASO DH-2



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FLEETGUARD ENGINE OIL 15W-40 CI-4

Article number CL41006

Product information

Mineral-based Super High Performance (SHPD) motor oil for heavy-duty diesel engines. It ensures engine cleanliness, wear protection, and stability, and is suitable for Euro 2, 3, 4 and some 5 engines. Fleetguard 15W-40 CI-4 is OEM approved by Volvo, Renault and Mack.

Physical properties

Property/Test	Value/Result	ASTM Standard
Color brown	Brown	
Density at 20°C	0.88 kg/l	ASTM D 4052
Viscosity, kinematic at 40°C	104.9 cSt	ASTM D 445
Viscosity, kinematic at 100°C	14.8 cSt	ASTM D 445
Viscosity Index	146	ASTM D 2270
Viscosity, dynamic (CCS)	4,025 cP	ASTM D 5293
Flash Point	234 °C	ASTM D 92
Sulfated Ash	1.5 wt%	ASTM D 874
Pour point	-39 °C	ASTM D 97
TBN mgKOH/g	10,9	ASTM D2896
Phosphorus %	0,113	ASTM D4951
Zinc %	0,126	ASTM D4951

Approved

Volvo VDS-3
Mack EO-N
Renault Trucks RLD-2

Caterpillar ECF-2
Caterpillar ECF-1-A
CES 20076
CES 20077
CES 20078

MTU type 2
Detroit Diesel DDC 93K215
Mack EO-M Plus
DTFR 15B110

Performance

API CI-4/SL
ACEA E7

Deutz DQC III-10
Global DHD-1



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FLEETGUARD ENGINE OIL 15W-40 CK-4

Article number CL41002

Product information

Universal heavy-duty diesel engine oil with mid SAPS technology, ensuring engine cleanliness, wear protection, and stability. Suitable for diesel and gasoline engines, including EGR and DPF.

Physical properties

Property/Test	Value/Result	ASTM Standard
Color	Brown	
Density at 20°C	0.87 kg/l	ASTM D 4052
Viscosity, kinematic at 40°C	110.8 cSt	ASTM D 445
Viscosity, kinematic at 100°C	14.8 cSt	ASTM D 445
Viscosity Index	138	ASTM D 2270
Viscosity, dynamic (CCS)	5,771 cP	ASTM D 5293
Flash Point	232 °C	ASTM D 92
Sulfated Ash	1.0 wt%	ASTM D 874
Pour point	-36 °C	ASTM D 97
TBN mgKOH/g	8,3	ASTM D2896
Phosphorus %	0,118	ASTM D4951
Zinc %	0,129	ASTM D4951

Performance

API SN	Caterpillar ECF-2	Detroit Diesel DDC93K222
API CK-4	Caterpillar ECF-1-A	Allison TES439
DTFR 15C100 (MB 228.31)	Global DHD-1	Ford WSS-M2C171-F1
Volvo VDS-4.5	MTU type 2.1	MAN M 3775
Mack EOS-4.5	Detroit Diesel DDC 93K218	Deutz DQC III-18 LA
Renault VI RLD-3	MAN M 3575	ACEA E7
ACEA E9	Mack EO-O PP	ACEA E11
Caterpillar ECF-3	Cummins CES 20086	



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FLEETGUARD ENGINE OIL 20W-50 CI-4

Article number CL41007

Product information

Mineral motor oil for mixed fleets, suitable for diesel, gasoline and LPG engines. It ensures engine cleanliness, wear protection, and fuel savings, even under heavy loads.

Physical properties

Property/Test	Value/Result	ASTM Standard
Color	brown	
Density at 20°C	0.88 kg/l	ASTM D 4052
Viscosity, kinematic at 40°C	153.2 cSt	ASTM D 445
Viscosity, kinematic at 100°C	18.7 cSt	ASTM D 445
Viscosity Index	139	ASTM D 2270
Viscosity, dynamic (CCS)	4,533 cP	ASTM D 5293
Flash Point	246 °C	ASTM D 92
Pour point	-36 °C	ASTM D 97
TBN mgKOH/g	10,1	ASTM D2896
Phosphorus %	0,112	ASTM D4951
Zinc %	0,122	ASTM D4951

Performance

API SL/CI-4

ACEA A3/B4

ACEA E7

Allison C-4

DTFR 15B110 (MB 228.3)

MAN M 3275

Volvo VDS-3

Renault VI RLD-2

Renault RLD

Caterpillar ECF-2

Caterpillar ECF-1-A

CES 20076

CES 20077

CES 20078

Deutz DQC III-10

Global DHD-1

MTU type 2

Mack EO-M Plus

JASO DH-1

Voith Class A



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Product Data Sheet

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FLEETGUARD GEAR OIL 80W-90 GL-5

Article number CL41011

Product information

Mineral gear oil with the latest additive technology, offering metal-to-metal protection, corrosion resistance and thermal stability. Designed to lubricate hypoid gears, hub reductions, gearboxes, PTO (Power Take-off) gears, transfer cases, and differentials. Highly resistant to oxidative degradation and aging, Fleetguard gear oils do not affect seals. Suitable for API GL-5, MIL-L 2105-D and Mack GO-G specifications. 85W-140 can also be used where MB 235.0 is stipulated.

Physical properties

Property/Test	Value/Result	ASTM Standard
Color	Brown	
Density at 20°C	0.88 kg/l	ASTM D 4052
Viscosity, kinematic at 40°C	136.9 cSt	ASTM D 445
Viscosity, kinematic at 100°C	14.1 cSt	ASTM D 445
Viscosity Index	100	ASTM D 2270
Flash Point	244 °C	ASTM D 92
Pour point	-30 °C	ASTM D 97

Performance

API GL-5

MIL-L-2105 B/C/D

Mack GO-G



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Product Data Sheet

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FLEETGUARD GEAR OIL HPG EP 85W-140 GL-5

Article number CL41012

Product information

Mineral gear oil with the latest additive technology, offering metal-to-metal protection, corrosion resistance and thermal stability. Designed to lubricate hypoid gears, hub reductions, gearboxes, PTO (Power Take-off) gears, transfer cases, and differentials. Highly resistant to oxidative degradation and aging, Fleetguard gear oils do not affect seals. Suitable for API GL-5, MIL-L 2105-D and Mack GO-G specifications. 85W-140 can also be used where MB 235.0 is stipulated.

Physical properties

Property/Test	Value/Result	ASTM Standard
Color	Brown	
Density at 20°C	0.90 kg/l	ASTM D 4052
Viscosity, kinematic at 40°C	353.8 cSt	ASTM D 445
Viscosity, kinematic at 100°C	25.8 cSt	ASTM D 445
Viscosity Index	95.0	ASTM D 2270
Flash Point	201 °C	ASTM D 92
Pour point	-12 °C	ASTM D 97

Performance

API GL-5

MIL-L-2105 B/C/D

ZF TE-ML 05A

ZF TE-ML 12E



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Product Data Sheet

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FLEETGUARD HYDRAULIC FLUID HLP 46

Article number CL41010

Product information

Mineral hydraulic oil with anti-wear properties, reducing pump wear and extending equipment life. These oils consist of a solvent-refined paraffin base with a high cleanliness level and a thermal and oxidative stress-resistant additive package, providing protection against corrosion, foaming and rust, superior cleaning performance, thermal stability, and excellent filterability. The higher viscosity of HLP 68 is more suited to heavier duty applications operating in more demanding conditions.

Physical properties

Property/Test	Value/Result	ASTM Standard
Color	Amber	
Density at 20°C	0.86 kg/l	ASTM D 4052
Viscosity, kinematic at 40°C	45.6 cSt	ASTM D 445
Viscosity, kinematic at 100°C	7.2 cSt	ASTM D 445
Viscosity Index	118	ASTM D 2270
Flash Point	256 °C	ASTM D 92
Pour point	-30 °C	ASTM D 97
Zinc %	± 400 ppm	

Performance

DIN 51524/2 (HLP)

U.S. Steel 127

U.S. Steel 126

Sperry Vickers I-286-S

AFNOR NF E 48-603 HM

AFNOR NF E 48-603 HL

DIN 51524/1 (HL)



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FLEETGUARD HYDRAULIC FLUID HLP 68

Article number CL41009

Product information

Mineral hydraulic oil with anti-wear properties, reducing pump wear and extending equipment life. These oils consist of a solvent-refined paraffin base with a high cleanliness level and a thermal and oxidative stress-resistant additive package, providing protection against corrosion, foaming and rust, superior cleaning performance, thermal stability, and excellent filterability. The higher viscosity of HLP 68 is more suited to heavier duty applications operating in more demanding conditions.

Physical properties

Property/Test	Value/Result	ASTM Standard
Color	Amber	
Density at 20°C	0.87 kg/l	ASTM D 4052
Viscosity, kinematic at 40°C	65.8 cSt	ASTM D 445
Viscosity, kinematic at 100°C	8.7 cSt	ASTM D 445
Viscosity Index	104	ASTM D 2270
Flash Point	265 °C	ASTM D 92
Pour point	-27 °C	ASTM D 97
Zinc %	± 400 ppm	

Performance

DIN 51524/2 (HLP)

U.S. Steel 127

U.S. Steel 126

Sperry Vickers I-286-S

AFNOR NF E 48-603 HM

AFNOR NF E 48-603 HL

DIN 51524/1 (HL)



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FLEETGUARD POWERSHIFT 10W TO-4

Article number CL41013

Product information

Fleetguard Powershift oils are designed for the hydraulic and transmission systems of off-highway equipment and trucks requiring Caterpillar TO-4 or Allison C-4 specifications. These mineral-based oils with tailored additives offer superior oxidation stability and wear protection. They are suitable for agricultural, earthmoving, mining equipment, and trucks and buses with Allison manual, automatic, or powershift transmissions. The oils provide excellent friction protection to extend system life, and it is important to follow OEM guidelines for selecting the correct viscosity.

Physical properties

Property/Test	Value/Result	ASTM Standard
Color	Brown	
Density at 20°C	0.86 kg/l	ASTM D 4052
Viscosity, kinematic at 40°C	40.1 cSt	ASTM D 445
Viscosity, kinematic at 100°C	6.7 cSt	ASTM D 445
Viscosity Index	123	ASTM D 2270
Flash Point	204 °C	ASTM D 92
Pour point	-36 °C	ASTM D 97

Performance

ZF TE-ML 03C

ZF registration no.001917

Allison C-4

Caterpillar TO-4

Komatsu KES 07.868.1



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Product Data Sheet

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FLEETGUARD POWERSHIFT 30 TO-4

Article number CL41014

Product information

Fleetguard Powershift oils are designed for the hydraulic and transmission systems of off-highway equipment and trucks requiring Caterpillar TO-4 or Allison C-4 specifications. These mineral-based oils with tailored additives offer superior oxidation stability and wear protection. They are suitable for agricultural, earthmoving, mining equipment, and trucks and buses with Allison manual, automatic, or powershift transmissions. The oils provide excellent friction protection to extend system life, and it is important to follow OEM guidelines for selecting the correct viscosity.

Physical properties

Property/Test	Value/Result	ASTM Standard
Color	Brown	
Density at 20°C	0.88 kg/l	ASTM D 4052
Viscosity, kinematic at 40°C	91.3 cSt	ASTM D 445
Viscosity, kinematic at 100°C	10.6 cSt	ASTM D 445
Viscosity Index	98.0	ASTM D 2270
Flash Point	224 °C	ASTM D 92
Pour point	-21 °C	ASTM D 97

Performance

Allison C-4

Caterpillar TO-4



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Product Data Sheet

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FLEETGUARD POWERSHIFT 50 TO-4

Article number CL41015

Product information

Fleetguard Powershift oils are designed for the hydraulic and transmission systems of off-highway equipment and trucks requiring Caterpillar TO-4 or Allison C-4 specifications. These mineral-based oils with tailored additives offer superior oxidation stability and wear protection. They are suitable for agricultural, earthmoving, mining equipment, and trucks and buses with Allison manual, automatic, or powershift transmissions. The oils provide excellent friction protection to extend system life, and it is important to follow OEM guidelines for selecting the correct viscosity.

Physical properties

Property/Test	Value/Result	ASTM Standard
Color	Brown	
Density at 20°C	0.90 kg/l	ASTM D 4052
Viscosity, kinematic at 40°C	201.0 cSt	ASTM D 445
Viscosity, kinematic at 100°C	17.8 cSt	ASTM D 445
Viscosity Index	96.0	ASTM D 2270
Flash Point	238 °C	ASTM D 92
Pour point	-21 °C	ASTM D 97

Performance

Allison C-4

Caterpillar TO-4