

CORS

COMPLETE
OFF-ROAD SOLUTION



REDEFINING THE OFF-ROAD SEGMENT THROUGH
INNOVATION AND PROGRESS

wolflubes.com

wolf
LUBRICANTS



TABLE OF CONTENT

A STRONG COMPANY BEHIND THE BRAND	4
THE VITAL LUBRICANT	5
KEEPS ENGINES YOUNG	6
CORS CONCEPT	8
DRIVERS	10
BENEFITS	12
CORS 10W-30 FE FOR MODERATE CLIMATES	14
CORS 15W-40 FOR WARM CLIMATES	20
EXTENDED CORS RANGE FOR WIDER COVERAGE	26
SERVICES	28

A STRONG COMPANY BEHIND THE BRAND

WE PRIDE OURSELVES ON BEING A 'PURE PLAYER' IN OUR INDUSTRY

We are 100% dedicated to lubricants. We've been creating next-generation products since 1955 and have amassed more than 65 years of knowledge and expertise. As one of Europe's leading independent lubricants blenders, we are specialists, focusing on meeting the diverse needs of our customers with high-quality, technology-enhanced lubricants.

We add value with a full-service approach that includes technical advice, fast supply and on-going training and support.



WOLF OIL CORPORATION
BELGIAN COMPANY,
+65 YEARS OF EXPERIENCE



1 OF THE LARGEST
INDEPENDENT LUBRICANT
MANUFACTURERS IN EUROPE



IN-HOUSE LABORATORY
R&D AND FULL CONTROL OVER QUALITY



OEM EXPERIENCE
FACTORY AND SERVICE FILL



ISO CERTIFIED
QUALITY & ENVIRONMENTAL
MANAGEMENT SYSTEMS



MORE THAN 300 OEM APPROVALS
PROOF OF TOP QUALITY PRODUCTS

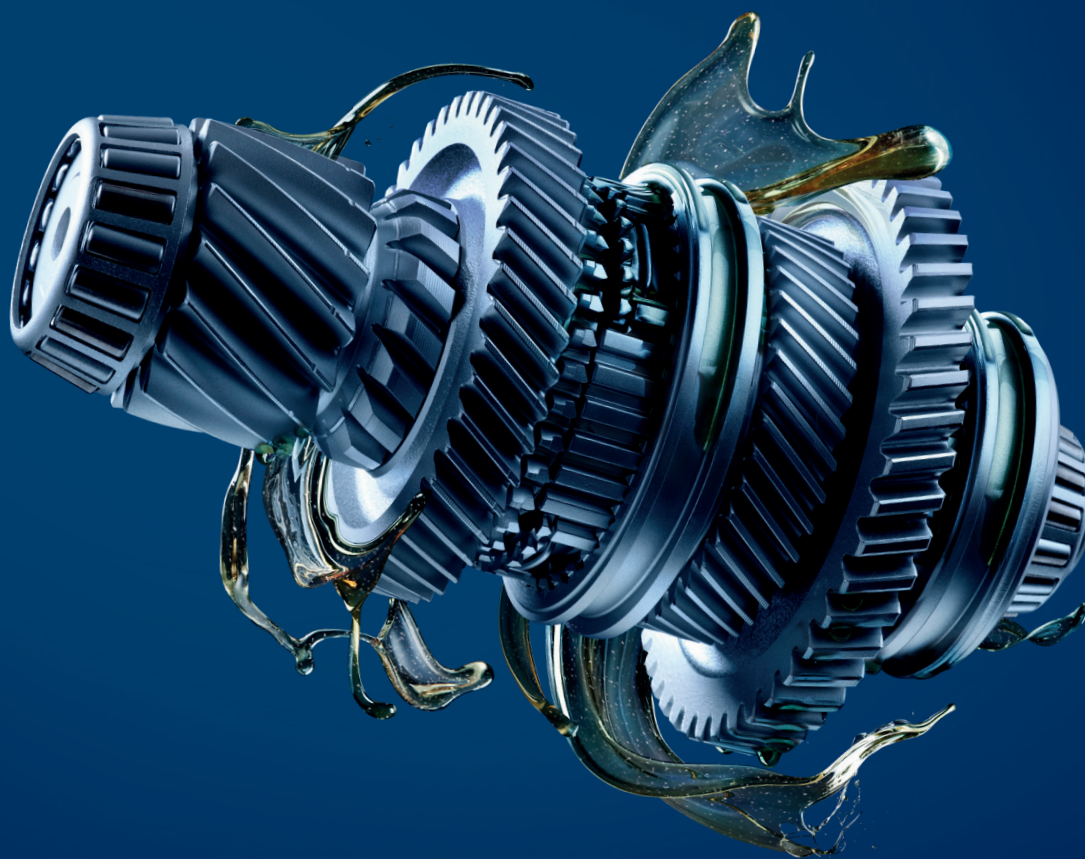
BIG ENOUGH TO DELIVER, SMALL ENOUGH TO CARE.

THE VITAL LUBRICANT

Wolf lubricants quite literally bring engines to life, delivering the highest levels of efficiency and performance, with products that set new standards of reliability and protection.

With the exponential speed at which new and cleaner engine technologies are being developed, Wolf continues to be at the forefront of these innovations with cutting-edge lubricant products and additive technologies that meet the highest standards and official OEM approvals.

The precision we put into the development of our products is vital in improving the life force of engines.



**WOLF OIL
CORPORATION**
THE COMPANY
BEHIND THE
BRAND

We pride ourselves on being a 'pure player' in our industry. We are 100% dedicated to lubricants. We've been creating next-generation products since 1955 and have amassed more than 60 years of knowledge and expertise. As one of Europe's leading independent lubricants companies, we are specialist, focusing on meeting the diverse needs of our customers with high-quality, technology-enhanced lubricants.

We add value with a full-service approach that includes technical advice, real-time supply and on-going training and support.

We are big enough to deliver, yet small enough to care.

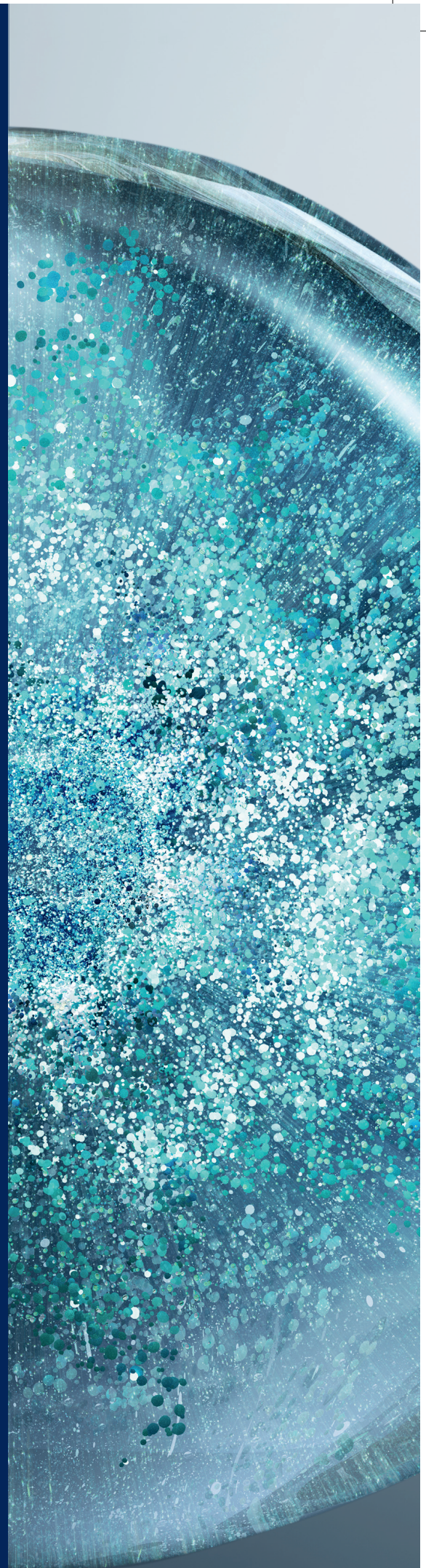
KEEPS ENGINES YOUNG

WOLF MULTIFACTOR OIL SERUM – OUR EXCLUSIVE PRODUCT TECHNOLOGY

Modern high performance engines require a new generation of lubricants capable of maintaining their qualities. To this effect, we have developed our own proprietary technology that contains as many as 20 active ingredients.

Wolf's MultiFactor Oil Serum increases the lifespan of lubricants and keeps engines young. This state-of-the-art technology can be compared to a cosmetic product. It's the sophisticated balance and combined interactions of these active ingredients that have a vitalising effect on the oil over time.

This ensures Wolf lubricants maintain their properties for longer, so that engines can deliver optimum performance between increasingly long service intervals.



**IN A RAPIDLY CHANGING
MARKET, PRECISION MAKES ALL
THE DIFFERENCE. IT'S ABOUT
MAKING EVERY SINGLE DETAIL
COUNT AND LEAVING NOTHING
FOR GRANTED.**



KEEPS **ENGINES** CLEAN



IMPROVES **ENGINE** PROTECTION



EXTENDS **DRAIN INTERVALS**



REDUCES **FUEL** CONSUMPTION



LOWERS **CO₂** EMISSIONS

CORS CONCEPT

ONE SOLUTION FOR ALL HEAVY DUTY OFF-ROAD APPLICATIONS

Heavy Duty Off-Road machines rely on exceptionally formulated lubricants to run reliably each and every day.

Following the needs of the market, Wolf has developed the CORS concept.

Wolf CORS (Complete Off-Road Solution) provides a complete solution for Heavy-Duty Off-Road machinery. It is the best solution to enhance productivity, improve uptime and reduce overall costs.



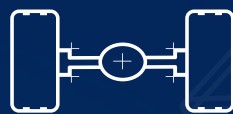
COMPLETE COVERAGE FOR FARMING, CONSTRUCTION AND MINING EQUIPMENT

1



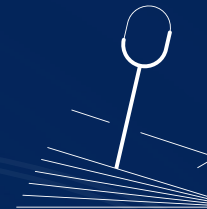
ENGINE

2



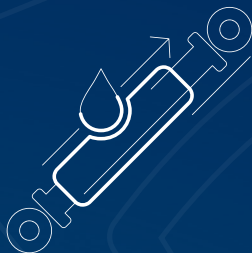
POWERSHIFT &
DRIVELINE

3



MANUAL
TRANSMISSION

4



HYDRAULIC &
HYDROSTATIC™

5



GEAR &
AXLES

6



BRAKING
SYSTEM



DRIVERS

HOW WOLF OPTIMIZES FLEETS UPTIME

A fully functional fleet is vital to the success of an enterprise, and advanced fluid management is key to achieving this.

Using innovative lubricants that keep pace with market evolutions guarantees extended fleet uptime: equipment efficiency is improved and operational costs are lowered.

Wolf has designed its CORS concept cutting-edge lubricants to improve overall mobility, enhancing complete off-road fleets with as few lubricants as possible.

These revolutionary lubricants have evolved with heavy-duty machine technology, ensuring your fleet is prepared for the off-road challenges of tomorrow.





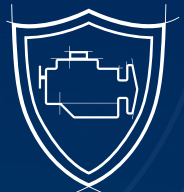
MODERN TECHNOLOGY

Wolf offers fluids for sophisticated and expensive systems that regulate emissions and aim at improved productivity.



EXTREME CLIMATES

Specialized protection in cold climates, and high lubrication in warmer environments. Perfect to always protect against wear.



FUEL QUALITY

Lubricants that protect from acidity caused by low fuel quality and high Sulphur (S) levels, which are harmful to engines.



MIXED OEMS AND APPLICATIONS

No worries if your worksite is made up of multiple OEM. Wolf aims at covering all your needs with a complete offer.



IDLING AND HIGH LOADS

Wolf lubricants feature advanced cooling and cleaning properties to offer extra protection under demanding conditions.



DRAIN INTERVAL

Futureproof lubricants, which keep their original composition longer and significantly extend drain intervals.



BENEFITS

SIMPLE OFFER

1. Five products to achieve 90% coverage
2. Premium products for wide applications across segments
3. Combined use in engine, gearbox and hydraulic systems
4. Inventory friendly thanks to a straightforward offer

COST REDUCTION

1. Limited number of fluids allows reduced storage cost
2. Premium products guarantee fuel-cost reduction
3. Increased equipment lifespan due to sophisticated protective properties
4. Stable fluid performance means increased productivity

OPERATIONAL SAFETY

1. Reduce the complexity of managing different lubricants for each component
2. Use premium quality oils
3. Includes Low-SAPS technology protecting aftertreatment systems
4. Guaranteed extreme weather protection



The CORS concept relies on the integration of various lubricants, predominantly including STOU and UTTO oils. This strategic combination aims to leverage the multifunctional capabilities of STOU alongside the specialized protection and enhanced performance of UTTO. Wolf has designed a brand-new offer which aims at simplifying the selection of fluids for off-road machines.

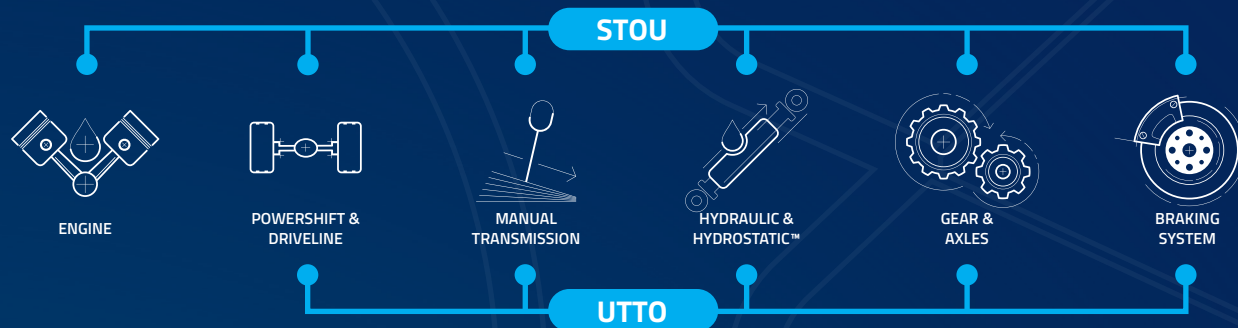
Let's take a look at the difference between STOU and UTTO.

STOU (Super Tractor Oil Universal) lubricants are engineered to meet the lubrication needs of different systems within a machine. This includes the engine, transmission, hydraulic systems, and wet brakes.

Unlike some lubricants that are specific to certain components, STOU lubricants are designed to be multi-functional. This means a single type of oil can be used for various purposes, simplifying the maintenance process for off-road machinery.

UTTO (Universal Tractor Transmission Oil) is a type of lubricating oil specifically formulated for use in the transmissions, hydraulic systems, final drives, wet brakes, and power take-off (PTO) systems and other off-road machinery.

UTTO simplifies maintenance for farmers and equipment operators by providing a single lubricant that addresses the lubrication needs of various components.



STOU vs UTTO

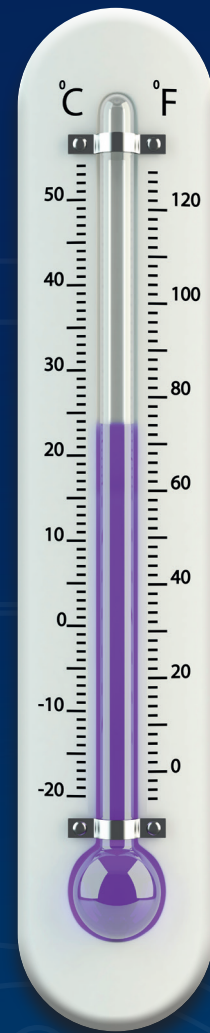
STOU serves as a versatile lubricant for construction, mining and agriculture machinery, covering engine, transmission, and hydraulic system needs, thus simplifying maintenance.

In contrast, UTTO is tailored specifically for transmissions, differentials, final drives, and hydraulic systems, offering specialized protection and performance. While STOU provides broad application benefits, UTTO ensures optimal performance for transmission and hydraulic components.



CORS 10W-30 FE FOR MODERATE CLIMATES

Engines demand specialized protection to guarantee a robust oil film, helping to prevent wear and oxidation. The SAE 10W-30 formulation is thought to answer moderate weather conditions and to improve fuel economy.



90%

OF YOUR MARKET NEEDS
COVERED WITH ONLY 5 PRODUCTS



CODE	PRODUCT	USE	ENGINE	POWERSHIFT & DRIVELINE	MANUAL TRANSMISSION	HYDRAULIC & HYDROSTATIC™	GEAR & AXLES	BRAKING SYSTEM
3501	CORS 10W-30 FE	STOU*	💧	💧	💧	💧	💧	💧
23121	TRACTOFLUID 170 BM	UTTO*		💧	💧	💧	💧	💧
15708	OFFICIALTECH 10W40 UHPD MS	EO*	💧					
3301	AROW XHV ISO 2268	HYD*				💧		
3354	OFFICIALTECH 80W-90 LS GL 5 ZF-N	MGO*					💧	

* STOU = Super Tractor Oil Universa / UTTO = Universal Tractor Transmission Oil / EO = Engine Oil / HYD = Hydraulic / MGO: Manual Gear Oil

Want to know if your vehicles are covered by CORS oils?
Contact technical.services@wolfoil.com or reach out to your Wolf Sales Representative.

WOLF CORS 10W-30 FE

DESCRIPTION

High performance ACEA E11 / API CK-4 formulation specifically developed for the lubrication of equipment used in construction, agriculture and public works machines.

It offers outstanding fuel saving and covers a wide set of applications such as engines, hydraulic systems, manual and powershift transmissions.



APPLICATIONS

- This oil is advised for the lubrication of heavy duty diesel engines and vehicles with and without particulate filter, it meets the requirements of the latest engine technologies with emission control systems Stage IIIB, Stage IV Final and Tier 4i, Tier 4 Final, as well as older generations (Stage I, II, IIIA, Tier 1, 2, 3).
- Gearboxes, powershift or manual, power take-off.
- Hydraulic systems of agricultural tractors and offhighway equipment.

FEATURES

- **Anti-wear and oxidation stability:** Proven protection of critical parts
- **Cold start:** Excellent fluidity at low temperature

INDUSTRY STANDARDS & OEM SPECIFICATIONS

ACEA	E11 E9-16/E7/E5	CATERPILLAR	ECF-3/ECF-2/ECF-1a HYDO ADVANCED 10/30	HITACHI	Tier 4F engines	MAN	M3275-1/M3575 M3775
API	CJ-4/CI-4 Plus/CI-4/CH-4 CK-4 GL-4/SAE30 SN		HYDO ADVANCED 10W, 20-30 MTO SATO TO-2 TO-4 (SAE10W,30) TO-4M (SAE 10W30)	JCB	Standard 4000/2500	MB	228.3 228.31
ISO	VG 46(After 100h)/HV			JD	JDQ-78X	MTU	Oil Category 2 / 2.1
JASO	DH-1/DH-2			KOMATSU	CLUTCH: TO-10,30 GEARBOXES HO-46 (HV) HO56-HE HO-MVK KES 07.851.2 KES 07.868.1 Tier 4F engines	PERKINS	Tier 4F engines
JCMA	HK 46W(extend.drain)	CUMMINS	CES 20086/81/78/77/76			RENAULT	approval RLD-3 RGD RLD RLD-2 RLD-4 RXD
ALLISON	TES 439	DAF	PSQL 2.1 E	LIEBHERR	Hydraulic Systems Tier 4F engines	VOLVO	approval VDS-4.5 VDS-3/VDS-4
CASE	MAT 3509 MAT 3571 MAT 3572 MAT 3622 MS1230 Tier 4F engines	DAIMLER TRUCK	approval DTRF 15C100 DTRF 15B110	MACK	approval EO-S 4.5 EO-M PLUS EO-N EO-N Premium Plus EO-O Premium Plus	ZF	TE-ML 07D
		DANA	GEARBOXES				
		DETROIT DIESEL	DFS 93K215 DFS 93K218 DFS 93K222				
		DEUTZ	approval DQC-III-18 LA DQC-III-10/10LA				
		EATON	GEARBOXES				
		FORD	WSS-M2C171-F1				
		GLOBAL	DHD-1				

PACKAGING

1L	-	5L	-	60L	1051736	1000L	1051750
4L	-	20L	1051748	205L	1051749	BULK	1051751

TYPICAL CHARACTERISTICS

TEST	METHOD	UNIT	AVERAGE RESULTS
Density at 15°C	ASTM D4052	g/ml	0.856
Kinematic viscosity at 40°C	ASTM D445	mm ² /s	74.0
Kinematic viscosity at 100°C	ASTM D445	mm ² /s	11.9
Viscosity index	ASTM D2270		157
B.N. (HCLO4 method)	ASTM D2896	mg KOH/g	10
Pour point	ASTM D6892	°C	-39
Flash Point COC	ASTM D92	°C	222

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions. The WOLF brand and design are registered trademarks of Wolf Oil Corporation NV.

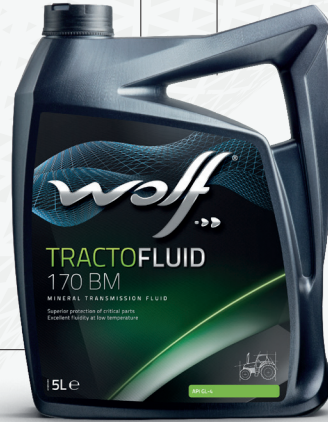
WOLF TRACTOFLUID 170 BM

PRODUCT CODE
23121

DESCRIPTION

Special oil, intended for automatic transmissions, hydraulic systems, wet brakes, convertors for tractors, forklifts and different off-highway equipment.

REMARK: When the manufacturer prescribes only one oil for the lubrication of all parts, the engine included, he refers to a S.T.O.U. oil.



APPLICATIONS

- This oil meets the requirements of Volvo BM.
- Can be used in transmissions, lifters, rear axles and wet brakes of agricultural tractors and off-highway equipment as well as moving hydraulic systems (cranes, junction box, power steering).

FEATURES

- **Anti-wear and oxidation stability:** Superior protection of critical parts
- **Cold start:** Excellent fluidity at low temperature

INDUSTRY STANDARDS & OEM SPECIFICATIONS

API	GL-4	MF	M 1127/M 1129A	ZF	approval TE-ML 03E
ALLISON	C4		M 1135		approval TE-ML 05F
CASE	MAT 3505		M 1143		approval TE-ML 06K
	MAT 3510		M 1145		approval TE-ML 17E
	MAT 3525	NH	NH 410B		approval TE-ML 21F
	MAT 3526	VALTRA	G2-08		TE-ML 06B
	MAT 3540		G2-B10		TE-ML 06D
	MS1206	VOLVO	approval 97303/WB101		TE-ML 06E
	MS1207				TE-ML 06F
	MS1209				TE-ML 06H
	MS1210				TE-ML 06M
CATERPILLAR	MT0				TE-ML 06N
	TO-2				TE-ML 06P
FORD	ESN-M2C-134 C/D				TE-ML 06R
	ESN-M2C-86 A/B				TE-ML 06S
	ESN-M2C-86 C				TE-ML 06T
	FNHA-2-C-201.00				
JD	J20 C/D				
KOMATSU	KES 07.866				
KUBOTA	UDT				

PACKAGING

1L	-	5L	8328664	60L	8312465	1000L	8312663
4L	-	20L	8312267	205L	8312564	BULK	8312762

TYPICAL CHARACTERISTICS

TEST	METHOD	UNIT	AVERAGE RESULTS
Density at 15 °C	ASTM D4052	g/ml	0.875
Kinematic viscosity at 40 °C	ASTM D445	mm ² /s	68.3
Kinematic viscosity at 100 °C	ASTM D445	mm ² /s	10.9
Viscosity index	ASTM D2270		150
B.N. (HClO ₄ method)	ASTM D2896	mg KOH/g	7.6
Pour point	ASTM D6892	°C	-39
Flash Point COC	ASTM D92	°C	212
Brookfield viscosity at -18 °C	ASTM D2983	mPa.s	2000

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions. The WOLF brand and design are registered trademarks of Wolf Oil Corporation NV.

WOLF OFFICIALTECH 10W40 UHPD MS

DESCRIPTION

This is a semi synthetic lubricant based on carefully selected very high quality base oils, which satisfies the highest performance standards for large trucks. It can be used for engines equipped with aftertreatment systems.



APPLICATIONS

- Due to its versatile specification levels it is suitable for a wide range of commercial vehicles.
- Specifically recommended for large truck engines to satisfy the EURO VI standard, TIER IV interim, TIER IV final, TIER V, stage IIIB, stage IV, stage V.

FEATURES

- Anti-wear and oxidation stability:** Full after treatment system protection
- Total engine protection:** Outstanding engine cleanliness and durability

INDUSTRY STANDARDS & OEM SPECIFICATIONS

ACEA	E6-16	CUMMINS	CES 20076	JD	JDQ-78X	RENAULT	approval RLD-3	
	E7		CES 20077	LIEBHERR	LH-00-ENG5C LA		RGD	
	E8		CES 20078	MACK	approval EO-S 4.5		RLD	
	E9-16		CES 20081		EO-M PLUS		RLD-2	
API	approval CI-4 Plus	DAF	CES 20086	MAN	approval M3775	SCANIA	LA	
	approval CK-4		CES 20092		M3271-1		VOITH	Retarder Oil Class B
	CI-4		CES 20100		M3477		VOLVO	approval VDS-4.5
CJ-4	EXTENDED DRAIN	M3575	VDS-3					
JASO	DH-1	DAIMLER TRUCK	approval DTFR 15C110	MB	228.31		VDS-4	
	DH-2		approval DTFR 15C120		235.28			
ALLISON	C4		DTFR 13D110	MTU	approval 228.51			
CASE	MAT 3571	DETROIT DIESEL	DTFR 15C100		approval 228.52			
	MAT 3572		DFS 93K215	approval Oil Category 3.1				
CATERPILLAR	ECF-1a		DFS 93K218	Oil Category 2.1				
	ECF-2	DEUTZ	approval DQC-IV-18 LA					
	ECF-3		DQC IV-10 LA					
	TO-2		TTCD					
		FORD	WSS-M2C171-F1					
		IVECO	18-1804 Classe T2 E7					
			18-1804 Classe TLS E9					

PACKAGING

1L	-	5L	1050321	60L	1050446	1000L	1050448
4L	-	20L	1050443	205L	1050282	BULK	1050449

TYPICAL CHARACTERISTICS

TEST	METHOD	UNIT	AVERAGE RESULTS
Density at 15°C	ASTM D4052	g/ml	0.858
Kinematic viscosity at 40°C	ASTM D445	mm ² /s	95
Kinematic viscosity at 100°C	ASTM D445	mm ² /s	14.5
Viscosity index	ASTM D2270		158
B.N. (HClO4 method)	ASTM D2896	mg KOH/g	10.2
Pour point	ASTM D6892	°C	-33
CCS viscosity at -25°C	ASTM D5293	mPa.s	6600
Flash Point COC	ASTM D92	°C	216

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions. The WOLF brand and design are registered trademarks of Wolf Oil Corporation NV.

WOLF AROW XHV ISO 2268

DESCRIPTION

This hydraulic fluid offers complete hydraulic system protection and directly increases the performance of your equipment. Its high viscosity index of 185 broadens the operating temperature range significantly.

On top of that, this fluid offers excellent protection of hydraulic components & improved fuel economy at low temperatures. Furthermore, it minimises the hydraulic losses at high temperatures for optimal system performance.

Succeeded to resist the demanding FZG Gear Test with failed stage 12.

This proves its capability to establish a high-tech oil film, which offers additional wear, scuffing & pitting resistance.



APPLICATIONS

- Hydraulic systems of earth moving equipment subjected to extreme outdoor conditions and other machines operating under high load & pressure conditions benefit greatly from this fluid's properties.
- Both of these applications require stable performance, improving both system and attachment performance.
- This fluid can also be used in certain industrial applications where high load carrying capabilities are required.

FEATURES

- Anti-wear and oxidation stability:** Superior protection
- Anti-foam properties:** Excellent anti-foam properties
- Temperature stability:** Superior viscosity stability

INDUSTRY STANDARDS & OEM SPECIFICATIONS

AFNOR	DIN	CINCINNATI	DENISON	EATON VICKERS
NF E 48-603 HV	13357 T1/T2	MACHINE P-70 (ISO 46)		I-286-S
NF E 48-690	51524 Part 3	HF-2		M-2950-S
NF E 48-691	ISO 11158, HV			
	6743-4, HV			

PACKAGING

1L	5L	60L	1000L
-	-	8330773	8338243
4L	20L 8330674	205L 8330872	BULK 8338243

TYPICAL CHARACTERISTICS

TEST	METHOD	UNIT	AVERAGE RESULTS
Density at 15°C	ASTM D4052	g/ml	0.853
Kinematic viscosity at 40°C	ASTM D445	mm ² /s	44.0
Kinematic viscosity at 100°C	ASTM D445	mm ² /s	8.8
Viscosity index	ASTM D2270		185
Pour point	ASTM D6892	°C	-54
Flash Point COC	ASTM D92	°C	234
FZG Gear Test, Fail Stage	DIN 51354		12

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions. The WOLF brand and design are registered trademarks of Wolf Oil Corporation NV.

WOLF OFFICIALTECH 80W90 LS GL 5 ZF-N

DESCRIPTION

This high performance ZF 05N/21N gear oil is an advanced all-round lubricant, which is balanced to lubricate a wide range of axles including the ones equipped with limited slip (LS) and hypoid gears. Its formula offers outstanding extreme-pressure resistance, which is proven by its typical phosphorus content of 2000 ppm.



APPLICATIONS

- This officially approved ZF 05N/21N formula can be used to service axles with or without limited slip differential or multi-disc differential. Furthermore, it suits the needs of different axles and differentials with or without hypoid drive.
- This multi-use gear oil can be used within dumpers, wheel loaders, mobile excavators, tractor axles, planetary final drives and even in certain rail vehicles & bus transmission systems with multi-disc self-locking differentials.
- This innovative lubricant allows you to make fleet maintenance more efficient by reducing the amount of different fluids you need.

FEATURES

- **Phosphorus content of over 2000 PPM:** Advanced extreme-pressure resistance
- **Broad applicability:** Easier fleet maintenance with this all-round product
- **Improved component cleanliness:** Prevent slip disks and gears from experiencing additional wear

INDUSTRY STANDARDS & OEM SPECIFICATIONS

API	GL-5 MT-1	ZF	TE-ML 05C TE-ML 05N
ARVIN MERITOR	AXLES		TE-ML 07A
FORD	WSS-M2C197-A+M2C118-A		TE-ML 08
GM	1942382 1942387 9121965		TE-ML 12C TE-ML 16E TE-ML 21C
JD	JDM J11F		TE-ML 21N
MACK	GO-J		

PACKAGING

1L	-	5L	-	60L	1053085	1000L	-
4L	-	20L	1053084	205L	1053086	BULK	1053083

TYPICAL CHARACTERISTICS

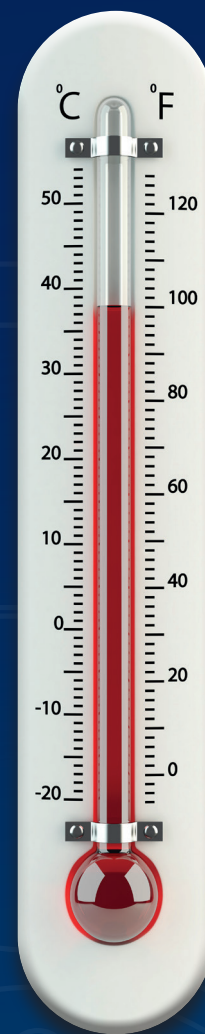
TEST	METHOD	UNIT	AVERAGE RESULTS
Density at 15°C	ASTM D4052	g/ml	0.880
Kinematic viscosity at 40°C	ASTM D445	mm ² /s	131
Kinematic viscosity at 100°C	ASTM D445	mm ² /s	14.2
Viscosity index	ASTM D2270		115
A.N. (Colorimetric)	ASTM D974	mg KOH/g	1.20
Pour point	ASTM D6892	°C	-36
Phosphorus	ASTM D5185	mg/kg	2000

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions. The WOLF brand and design are registered trademarks of Wolf Oil Corporation NV.

CORS 15W-40 FOR WARM CLIMATES

Off-road equipment exposed to extreme heat, faces multiple challenges. Wolf Lubricants has tailored an offer specific to those markets where climates can be a critical challenge for fleet owners.

Under severe heat conditions, it is essential for lubricants to preserve their characteristics to ensure wear protection. Higher viscosity products are highly recommended in these environments, which explains the product selection here below.



90%

OF YOUR MARKET NEEDS
COVERED WITH ONLY 5 PRODUCTS

CODE	PRODUCT	USE						
			ENGINE	POWERSHIFT & DRIVELINE	MANUAL TRANSMISSION	HYDRAULIC & HYDROSTATIC™	GEAR & AXLES	BRAKING SYSTEM
3502	CORS 15W-40	STOU*	💧	💧	💧	💧	💧	💧
23121	TRACTOFLUID 170 BM	UTTO*		💧	💧	💧	💧	💧
14636	VITALTECH 15W40	EO*	💧					
4007	AROW ISO 68	HYD*				💧		
2308	EXTENDTECH 80W90 GL5	MGO*					💧	

* STOU = Super Tractor Oil Universa / UTTO = Universal Tractor Transmission Oil / EO = Engine Oil / HYD = Hydraulic / MGO: Manual Gear Oil

Want to know if your vehicles are covered by CORS oils?
Contact technical.services@wolfoil.com or reach out to your Wolf Sales Representative.

WOLF CORS 15W-40

PRODUCT CODE
3502

DESCRIPTION

High performance formulation specifically developed for the lubrication of equipment used in construction, agriculture and public works machines. Particularly suited for use with lower quality fuels, with high sulfur content. It covers a wide set of applications such as engines, hydraulic systems, manual and powershift transmissions.



APPLICATIONS

- This higher TBN oil is advised for the lubrication of heavy duty diesel low-emission engines without particulate filter (Euro II, Euro III and some Euro IV engines). Gearboxes, powershift or manual, power take-off.
- Hydraulic systems of agricultural tractors and off-highway equipment.

FEATURES

- **Total engine protection:** Outstanding engine cleanliness and durability
- **Anti-wear and oxidation stability:** Proven protection of critical parts

INDUSTRY STANDARDS & OEM SPECIFICATIONS

ACEA	E5	CASE	MS1230 (Hot Countries)	DEUTZ	DQC-III-10	MTU	Oil Category 2	
	E7		ECF-2		DQC-III-18		NH	NH 330H
API	CH-4	CATERPILLAR	TO-4	GLOBAL	DHD-1	RENAULT	RLD	
	CI-4		TO-4M		JCMA		HK 68W	RLD-2
	GL-4		CUMMINS		CES 20076		KOMATSU	CLUTCH: TO-40
ISO	VG 68 (After 100h)/HV		CES 20077		HO-68	ZF	TE-ML 07D	
JASO	DH-1		CES 20078	MAN	M3275			
ALLISON	C4	DAIMLER TRUCK	DTRF 15B110	MB	228.3			

PACKAGING

1L	-	5L	-	60L	1051753	1000L	1051755
4L	-	20L	1051752	205L	1051754	BULK	1051756

TYPICAL CHARACTERISTICS

TEST	METHOD	UNIT	AVERAGE RESULTS
Density at 15°C	ASTM D4052	g/ml	0.890
Kinematic viscosity at 40°C	ASTM D445	mm ² /s	101
Kinematic viscosity at 100°C	ASTM D445	mm ² /s	13.9
Viscosity index	ASTM D2270		139
B.N. (HClO ₄ method)	ASTM D2896	mg KOH/g	15.4
Pour point	ASTM D6892	°C	-36
Flash Point COC	ASTM D92	°C	220

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions. The WOLF brand and design are registered trademarks of Wolf Oil Corporation NV.

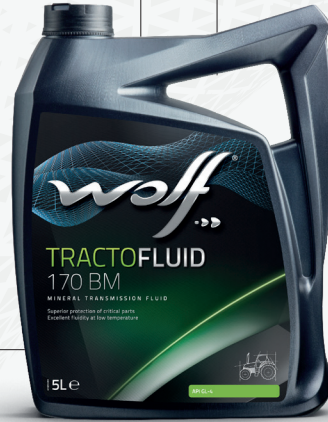
WOLF TRACTOFLUID 170 BM

PRODUCT CODE
23121

DESCRIPTION

Special oil, intended for automatic transmissions, hydraulic systems, wet brakes, convertors for tractors, forklifts and different off-highway equipment.

REMARK: When the manufacturer prescribes only one oil for the lubrication of all parts, the engine included, he refers to a S.T.O.U. oil.



APPLICATIONS

- This oil meets the requirements of Volvo BM, and can be used in transmissions, lifters, rear axles and wet brakes of agricultural tractors and off-highway equipment as well as moving hydraulic systems (cranes, junction box, power steering).

FEATURES

- Anti-wear and oxidation stability:** Superior protection of critical parts
- Cold start:** Excellent fluidity at low temperature

INDUSTRY STANDARDS & OEM SPECIFICATIONS

API	GL-4	CATERPILLAR	MTO	MF	M 1127/M 1129A	ZF	approval TE-ML 03E
ALLISON	C4		TO-2		M 1135		approval TE-ML 05F
CASE	MAT 3505	FORD	ESN-M2C-134 C/D		M 1143		approval TE-ML 06K
	MAT 3510		ESN-M2C-86 A/B		M 1145		approval TE-ML 17E
	MAT 3525		ESN-M2C-86 C	NH	NH 410B		approval TE-ML 21F
	MAT 3526		FNHA-2-C-201.00	VALTRA	G2-08		TE-ML 06B
	MAT 3540	JD	J20 C/D		G2-B10		TE-ML 06D
MS1206		KOMATSU	KES 07.866	VOLVO	approval 97303/WB101		TE-ML 06E
MS1207		KUBOTA	UDT				TE-ML 06F
MS1209							TE-ML 06H
MS1210							TE-ML 06M
							TE-ML 06N
							TE-ML 06P
							TE-ML 06R
							TE-ML 06S
							TE-ML 06T

PACKAGING

1L	-	5L	8328664	60L	8312465	1000L	8312663
4L	-	20L	8312267	205L	8312564	BULK	8312762

TYPICAL CHARACTERISTICS

TEST	METHOD	UNIT	AVERAGE RESULTS
Density at 15 °C	ASTM D4052	g/ml	0.875
Kinematic viscosity at 40 °C	ASTM D445	mm ² /s	68.3
Kinematic viscosity at 100 °C	ASTM D445	mm ² /s	10.9
Viscosity index	ASTM D2270		150
B.N. (HClO ₄ method)	ASTM D2896	mg KOH/g	7.6
Pour point	ASTM D6892	°C	-39
Flash Point COC	ASTM D92	°C	212
Brookfield viscosity at -18 °C	ASTM D2983	mPa.s	2000

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions. The WOLF brand and design are registered trademarks of Wolf Oil Corporation NV.

WOLF VITALTECH 15W40

PRODUCT CODE
14636

DESCRIPTION

This is a high-performance mineral diesel engine oil formulated to deliver reliable performance in a broad range of heavy-duty applications.

It is suitable for low-emission engines (Euro II, Euro III and some Euro IV engines).



APPLICATIONS

- Recommended for all modern diesel engines of trucks, off-road equipment and other heavy-duty applications.
- Universal use, including mixed fleets. Suitable for low-emission diesel engines with EGR (Euro II, III and some Euro IV).
- Meets and exceeds the demanding requirements of many U.S. and European diesel engine manufacturers.

FEATURES

- **Total engine protection:** Outstanding engine cleanliness and durability

INDUSTRY STANDARDS & OEM SPECIFICATIONS

ACEA	A3/B4	ALLISON	C4	DEUTZ	approval DQC-III-18	MB	229.1		
	E7		CATERPILLAR		ECF-1a		DQC-III-10	approval 228.3	
API	approval CI-4/SL	CUMMINS	ECF-2	GLOBAL	DHD-1	MTU	approval Oil Category 2		
	CF-4		TO-2		IVECO		18-1804 Classe T2 E7	Oil Category 1	
	CG-4		approval CES 20078		MACK		approval EO-N	RENAULT	approval RLD-2
	CH-4		CES 20076				EO-L		RLD
JASO	DH-1		CES 20077		EO-M PLUS	VOLVO	approval VDS-3		
		DAIMLER TRUCK	approval DTFR 15B110	MAN	M3275-1				
		DETROIT DIESEL	DFS 93K215						

PACKAGING

1L	8301018	5L	8301117	60L	8315855	1000L	8316050
4L	-	20L	8315657	205L	8315954	BULK	8316159

TYPICAL CHARACTERISTICS

TEST	METHOD	UNIT	AVERAGE RESULTS
Density at 15°C	ASTM D4052	g/ml	0.886
Kinematic viscosity at 40°C	ASTM D445	mm ² /s	97
Kinematic viscosity at 100°C	ASTM D445	mm ² /s	13.8
Viscosity index	ASTM D2270		144
B.N. (HClO ₄ method)	ASTM D2896	mg KOH/g	10.1
Pour point	ASTM D6892	°C	-36
CCS viscosity at -20°C	ASTM D5293	mPa.s	6500
Flash Point COC	ASTM D92	°C	220

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions. The WOLF brand and design are registered trademarks of Wolf Oil Corporation NV.

WOLF AROW ISO 68

PRODUCT CODE
4007

DESCRIPTION

A mineral oil, specifically designed to meet the requirements of most important manufacturers of hydraulic equipment. It contains anti-wear, anti-oxidant, anti-corrosion and anti-foam additives.



APPLICATIONS

- This oil is specifically designed to satisfy the requirements of the manufacturers of hydraulic systems where the highest demands are made concerning high pressure, temperatures or speeds.
- It is recommended for the hydraulic systems of the following types : Vickers, Gerotor, Gresen, HPM, Denison, Cessna, Hydreco and Worthington.
- It is also suitable for the lubrication of workshop equipment, reducing gears, bearings, compressed air systems and air screw compressors.

FEATURES

- **Anti-wear and oxidation stability:** Superior protection
- **Anti-foam properties:** Excellent anti-foam properties
- **Temperature stability:** Adequate viscosity stability

INDUSTRY STANDARDS & OEM SPECIFICATIONS

AFNOR	NF E 48-603 HM	ISO	11158, HM	CINCINNATI	MACHINE P-69 (ISO 68)	GM	LS2 AW hyd.oil
	NF E 48-690		6743-4, HM		DANIELI		0.000.001Rev.15 Typ 10/11
	NF E 48-691	JCMAS	HK P041	DENISON	HF-0, HF-1, HF-2		
ASTM	D6158 HL, HM	SAE	MS1004	EATON VICKERS	I-286-S		
CHINESE STANDARD	GB 11118.1 L-HL,L-HM	US STEEL	126		M-2950-S		
DIN	51524 Part 2	BOSCH	REXROTH RDE 90235	EATON	Brochure 03-401-2010		
					E-FDGN-TB002-E		

PACKAGING

1L	-	5L	8328367	60L	8302671	1000L	8302879
4L	-	20L	8302473	205L	8302770	BULK	8302978

TYPICAL CHARACTERISTICS

TEST	METHOD	UNIT	AVERAGE RESULTS
Density at 15 °C	ASTM D4052	g/ml	0.884
Kinematic viscosity at 40 °C	ASTM D445	mm ² /s	69
Kinematic viscosity at 100 °C	ASTM D445	mm ² /s	8.7
Viscosity index	ASTM D2270		97
Pour point	ASTM D6892	°C	-27
Flash Point COC	ASTM D92	°C	230

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions. The WOLF brand and design are registered trademarks of Wolf Oil Corporation NV.

WOLF EXTENDTECH 80W90 GL5

DESCRIPTION

This is an extreme-pressure lubricant for gear boxes, specifically formulated to satisfy the highest service conditions: high speed, shockloads and high torque at low speeds.



APPLICATIONS

- Recommended for all hypoid transmissions and also suitable for spiral bevel gears, worm wheels and most transaxles.

FEATURES

- Frictional properties: Easy gear shifting
- Anti-wear protection: Long transmission life

INDUSTRY STANDARDS & OEM SPECIFICATIONS

API	GL-5	ZF	TE-ML 05A
MIL	L-2105 C		TE-ML 07A
	L-2105 D		TE-ML 12E
MAN	342 M-1		TE-ML 16B
	342 M-2		TE-ML 16C
			TE-ML 17B
			TE-ML 19B

PACKAGING

1L	8304309	5L	8304507	60L	8306457	1000L	8306655
4L	8323867	20L	8306259	205L	8306556	BULK	8306754

TYPICAL CHARACTERISTICS

TEST	METHOD	UNIT	AVERAGE RESULTS
Density at 15°C	ASTM D4052	g/ml	0.896
Kinematic viscosity at 40°C	ASTM D445	mm ² /s	147
Kinematic viscosity at 100°C	ASTM D445	mm ² /s	14.7
Viscosity index	ASTM D2270		99
Pour point	ASTM D6892	°C	-33
Brookfield viscosity at -26 C	ASTM D2983	mPa.s	120000
Flash Point COC	ASTM D92	°C	210

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions. The WOLF brand and design are registered trademarks of Wolf Oil Corporation NV.

EXTENDED CORS RANGE FOR WIDER COVERAGE

At Wolf Lubricants, we are dedicated to delivering exceptional performance and reliability for off-road machinery. Our CORS concept, initially featuring SAE 10W-30, SAE 10W-40 and SAE 15W-40 oils, has set a high standard in the industry.

We have included a SAE 10W-40 viscosity oil to our lineup. This addition significantly enhances the versatility and coverage of our products, providing optimal performance across a broader range of OEM specifications.

With CORS 10W-40, our range offers superior protection and efficiency, ensuring that your off-road equipment operates smoothly and reliably under diverse and challenging conditions.



WOLF CORS 10W-40

PRODUCT CODE
3503

DESCRIPTION

High performance ACEA E11 / API CK-4 formulation specifically developed for the lubrication of equipment used in construction, agriculture and public works machines. It covers a wide set of applications such as engines, hydraulic systems, manual and powershift transmissions.



APPLICATIONS

- This oil is advised for the lubrication of heavy duty diesel engines and vehicles with and without particulate filter, it meets the requirements of the latest engine technologies with emission control systems Stage IIIB, Stage IV Final and Tier 4i, Tier 4 Final, as well as older generations (Stage I, II, IIIA, Tier 1, 2, 3).
- Gearboxes, powershift or manual, power take-off. Hydraulic systems of agricultural tractors and offhighway equipment.

FEATURES

- **Anti-wear and oxidation stability:** Proven protection of critical parts
- **Cold start:** Excellent fluidity at low temperature

INDUSTRY STANDARDS & OEM SPECIFICATIONS

ACEA	A3/B4	CASE	MAT 3509	DEUTZ	DQC-III-10/10LA	MACK	EO-0 Premium Plus
	E11		MAT 3571		DQC-III-18 LA		EO-5 4.5
	E9-16/E7/E5		MAT 3572	EATON	GEARBOXES	MAN	M3275-1/M3575
API	CJ-4/CI-4 Plus/CI-4/CH-4	CATERPILLAR	MAT 3622	FORD	WSS-M2C171-F1	MB	M3775
	CK-4		MS1230	GLOBAL	DHD-1		228.3
	SL		Tier 4F engines	HITACHI	Tier 4F engines	228.31	
ISO	GL-4/SAE40	CATERPILLAR	ECF-3/ECF-2/ECF-1a	JCMA	HK 68W	MTU	Oil Category 2 / 2.1
	VG 68 (After 100h)/HV		TO-4	JD	JDQ-78X	PERKINS	Tier 4F engines
JASO	DH-1/DH-2		TO-4M	KOMATSU	CLUTCH: TO-40	RENAULT	RLD-2/RLD-3
ALLISON	TES 439	CUMMINS	CES 20086/81/78/77/76	KOMATSU	HO56-HE	VOLVO	RLD-4
		DAIMLER TRUCK	DTRF 15B110		HO-68		VDS-3/VDS-4
			DTRF 15C100		Tier 4F engines	VDS-4.5	
		DANA	GEARBOXES	LIEBHERR	Hydraulic Systems	ZF	TE-ML 07D
		DETROIT DIESEL	DFS 93K222		Tier 4F engines		

PACKAGING

1L	-	5L	-	60L	1053167	1000L	1053169
4L	-	20L	1053166	205L	1053168	BULK	1053194

TYPICAL CHARACTERISTICS

TEST	METHOD	UNIT	AVERAGE RESULTS
Density at 15°C	ASTM D4052	g/ml	0.858
Kinematic viscosity at 40°C	ASTM D445	mm ² /s	88.5
Kinematic viscosity at 100°C	ASTM D445	mm ² /s	13.9
Viscosity index	ASTM D2270		161
B.N. (HClO ₄ method)	ASTM D2896	mg KOH/g	10
Pour point	ASTM D6892	°C	-39
Flash Point COC	ASTM D92	°C	222

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions. The WOLF brand and design are registered trademarks of Wolf Oil Corporation NV.

SERVICES

TAILOR-MADE LUBRICATION PLAN FOR YOUR FLEET

Based on an in-depth analysis of your fleet, Wolf experts will draw up **an optimised lubrication plan** that exactly matches the needs of your fleet.

Our experts take a range of different factors into account when constructing the plan, including: lubrication requirements of your equipment, oil drain intervals, composition of your fleet and machine history.

A proper lubrication plan optimises both maintenance and planning. Using a plan you can avoid unexpected machine downtime by eliminating the root cause of machine failure, often caused by filling with the wrong lubricant or postponed oil changes.

SUPPORTING OIL ANALYSIS

In partnership with Polaris Laboratories, Wolf has developed a cutting-edge fluid analysis program: **LubriScan**.

Predictive maintenance is a game-changer for industries reliant on machinery performance. By leveraging advanced diagnostics and data-driven insights provided by Polaris Laboratories, our program empowers businesses to proactively monitor the health of their equipment. Detecting potential issues before they escalate enables timely maintenance interventions, preventing costly breakdowns and downtime. With predictive maintenance, businesses can optimize equipment performance, extend asset lifespan, and ultimately drive efficiency and profitability.

Partner with us and Polaris Laboratories to revolutionize your maintenance strategy and stay ahead of the curve in today's competitive landscape.



DEVELOPING TECHNICAL EXPERTISE

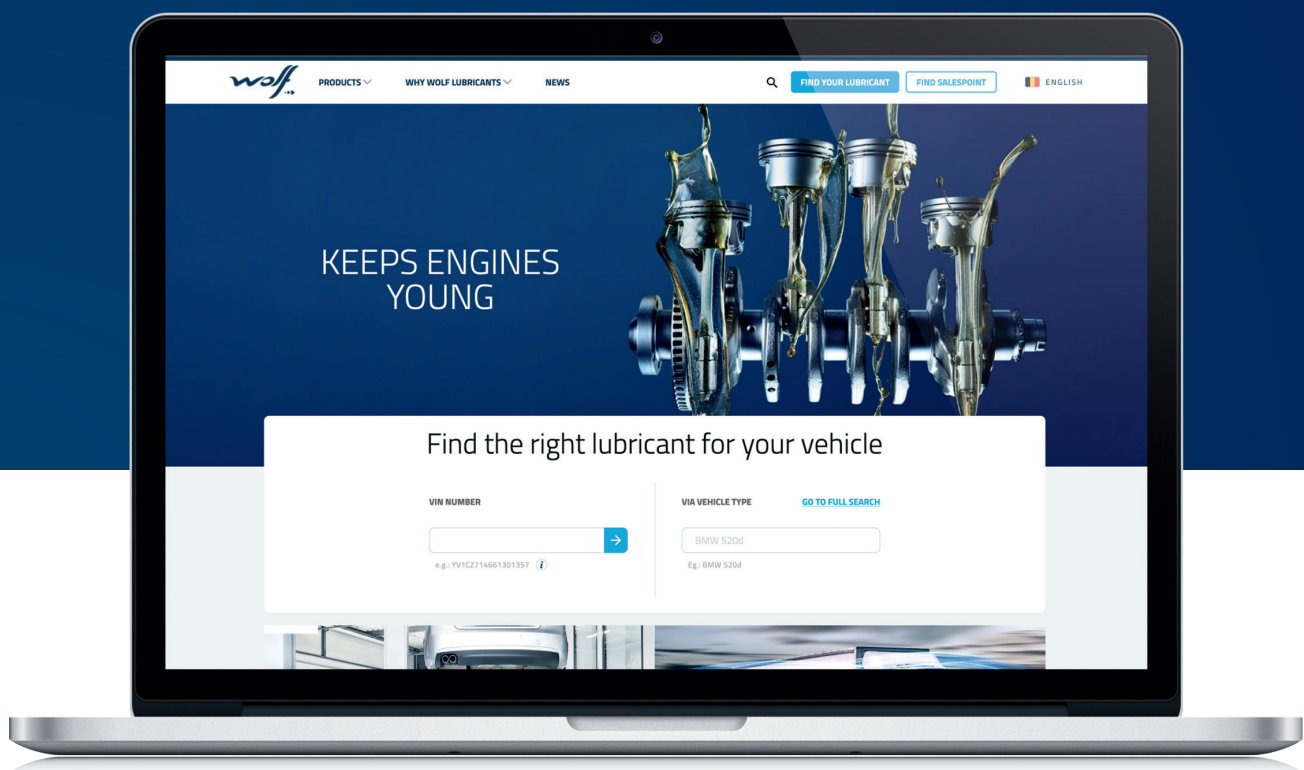
By connecting with Wolf Lubricants online, you'll be the first to know about our latest innovations and offerings. Our digital presence is designed to provide you with the knowledge and support you need, whether you're in the field or at your desk.

Plus, our interactive content and community engagement make it easy to stay informed and connected with the wider world of off-road machinery and lubrication technology.

Explore our website today and follow us on social media to stay ahead in the world of off-road machinery lubrication.

At Wolf Lubricants, we're not just a brand, we're your partner in ensuring optimal performance and reliability for your equipment.

Join us online and discover the difference.



ELEVATE YOUR OFF-ROAD EXPERIENCE WITH CORS



ALL-IN-ONE LUBRICATION FOR YOUR OFF-ROAD MACHINERY



Scan the QR-code
to discover the full details of
our heavy-duty solutions.

wolf
LUBRICANTS

WOLF LUBRICANTS

Georges Gilliotstraat 52
2620 Hemiksem
Belgium
T. +32 (0)3 870 00 00
F. +32 (0)3 870 00 99

wolflubes.com

