



Made in Germany.  
Professionally works everywhere.

[www.wolverlab.de](http://www.wolverlab.de)

## History of our business

History of our business begins in the period of post-war reconstruction of the countries of Western Europe. The destroyed economies required a multitude of resources. In 1951, the European Coal and Steel Community was created between Germany, France, Italy, Belgium, Luxembourg and the Netherlands. The member countries of the association removed restrictions on the extraction and transportation of products of the coal mining and metallurgical industries, which contributed to the rapid growth of their economies. An economic boom began in the industrial regions, marked in history as the German economic breakthrough, or the “Miracle on the Rhine” (Wirtschaftswunder). The fast-growing industrial cluster demanded a growing amount of oils and greases. At the same time, the rapid update of machinery and transport led to an increase in product requirements, consumers needed new and unique products. Many among currently well-known German oil companies established their businesses during this period.

The founders of our business, being specialists in the petrochemical industry and possessing extraordinary commercial skills, appreciated the opportunities of the growing market. To meet the unique needs of the customers for products with special properties they established cooperation between research laboratories and manufacturers. As the result, products with optimal properties and prices were created. It was an innovative approach in the sphere of technical oils supplies. Having established sustainable cooperation in the production of special products, the founders of our business were able to devote more time to another sphere, which at first resembled a hobby, the creation of motor oils for rally racing.

Later, these two areas - ensuring the unique needs of the industry and the creation of special products for commercial vehicles and Autosport became the main business areas. At that time, the basic principles of the company, which still exist today, were approved.

### 4 basic principles of the Wolver company:

1. Detailed study of the features and operating conditions of customer's equipment;
2. Creation of products with an additional functional reserve in case of extreme exploitation;
3. Constant contact with oil consumers for obtaining accurate information about the conditions of machinery and monitoring the performance of oils;
4. Continuous improvement of product properties and optimisation of logistics processes.



## Engine Oils Cars and Vans

# Wolver HighTec

## 0W-20 / 0W-30 / 0W-40

### PACKAGING

208 L | 60 L | 20 L | 5 L | 4 L | 1 L

Wolver HighTec is a high-performance HC-Synthetic multigrade fuel-economy oil for diesel and gas car engines. Specially selected HC-Synthetic base oils and highly effective long-term protective additives give this high-performance motor oil its excellent driving characteristics.

Wolver HighTec has its performance reserves both for sporting and for environmentally conscious drivers. The fuel economy leads to a reduction in CO<sub>2</sub> emissions.



#### SPECIFICATIONS:

**SAE 0W-20** API SN/CF  
ACEA A3/B4

#### MEETS THE REQUIREMENTS OF:

BMW Longlife-01  
MB 229.3  
VW 502.00, 505.00

#### SPECIFICATIONS:

**SAE 0W-30** API SN/CF  
ACEA A3/B4

#### MEETS THE REQUIREMENTS OF:

BMW Longlife-01  
MB 229.3, 226.5  
VW 502.00, 505.00  
Renault RN 0700

#### SPECIFICATIONS:

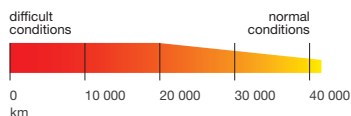
**SAE 0W-40** API SN/CF  
ACEA A3/B4

#### MEETS THE REQUIREMENTS OF:

BMW Longlife-01  
MB 229.3  
VW 502.00, 505.00

PROPERTIES	UNIT	0W-20	0W-30	0W-40
Density at 15,6°C	kg/m <sup>3</sup>	841	848	851
Viscosity at -35°C	mPa·s	6200	6800	6200
Viscosity at 100°C	mm <sup>2</sup> ·s	8.6	10.2	13.6
Viscosity index		167	170	179
Flash point COC	°C	240	230	220
Pour point	°C	-51	-43	-36

Extended drain intervals, depending on operating conditions.



Attention: Service instructions should be observed! Wolver is a registered trademark of Wolver Lab GmbH Cologne, Germany



## Engine Oils Cars and Vans

# Wolver UltraTec

## 5W-20 / 5W-30 / 5W-40

### PACKAGING

208 L | 60 L | 20 L | 5 L | 4 L | 1 L

Wolver UltraTec is a fuel-economical high-performance HC-Synthetic engine oil for modern gas and diesel engines for which Fuel Economy (FE) and Long-Life (LL) oils are specified. The low viscosity quickly lubricates and provides low friction resistance to drastically reduce fuel consumption and pollutant emissions.

Wolver UltraTec copes with all the thermal and mechanical loads that can occur in modern car engines that are designed for Fuel Economy. The viscosity level is recommended for many vehicles from Asian, Japan, American and European manufacturers.



#### SPECIFICATIONS:

**SAE 5W-20** API SN  
ILSAC GF-5

#### MEETS THE REQUIREMENTS OF:

Ford  
Chrysler  
GM DEXOS 1

#### SPECIFICATIONS:

**SAE 5W-30** API SN/CF/EC  
ACEA C3

#### APPROVALS:

MB-APPROVAL 229.51  
VW-NORM 504.00, 507.00  
MEETS THE REQUIREMENTS OF:  
MB 229.31  
PORSCHE C30  
BMW Longlife-04

#### SPECIFICATIONS:

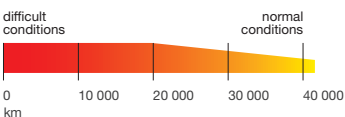
**SAE 5W-40** API SN/CF  
ACEA C3

#### MEETS THE REQUIREMENTS OF:

MB 229.51  
VW 505.01, 502.00, 505.00  
BMW Longlife-04  
GM DEXOS 2  
PORSCHE A40

PROPERTIES	UNIT	5W-20	5W-30	5W-40
Density at 15,6°C	kg/m <sup>3</sup>	852	849	845
Viscosity at -30°C	mPa·s	4920	5350	5550
Viscosity at 100°C	mm <sup>2</sup> ·s	8.57	11.9	14.2
Viscosity index		156	158	168
Flash point COC	°C	234	224	220
Pour point	°C	-45	-36	-37
TBN	mg KOH/g	7.9	6.3	6.2

Extended drain intervals, depending on operating conditions.



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## Engine Oils Cars and Vans

# Wolver SuperTec

## 5W-30 / 5W-40

### PACKAGING

208 L | 60 L | 20 L | 5 L | 4 L | 1 L

Wolver SuperTec is a HC-synthetic lightrun motor oil especially developed for heavy duty gas and diesel car engines.

Wolver SuperTec meets the manufacturers' high quality demands for cars. It is excellently applicable for long oil changing intervals and for motors with direct injection.

Ideal for hard use at motorways and over short distances.



### SPECIFICATIONS:

**SAE 5W-30** API SN/CF ACEA A3/B4

MEETS THE REQUIREMENTS OF:

MB 229.3

VW 502.00, 505.00

BMW Longlife-01

RENAULT RN 0700, RN 0710

GM-LL-B-025

### SPECIFICATIONS:

**SAE 5W-40** API SN/CF ACEA A3/B4

APPROVALS:

MB-APPROVAL 229.3

MEETS THE REQUIREMENTS OF:

VW 502.00, 505.00; MB 229.3; Porsche A-40

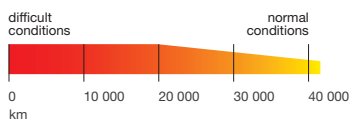
BMW Longlife-01; OPEL GM-LL-B-025

RENAULT RN 0700, RN 0710

Peugeot Citroen Automobiles B71 2296

PROPERTIES	UNIT	5W-30	5W-40
Density at 15,6°C	kg/m <sup>3</sup>	843	847
Viscosity at -30°C	mPa·s	6200	4800
Viscosity at 100°C	mm <sup>2</sup> ·s	11,6	14,3
Viscosity index		163	171
Flash point COC	°C	220	216
Pour point	°C	-36	-39
TBN	mg KOH/g	9,3	9,2

Extended drain intervals, depending on operating conditions.



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## Engine Oils Cars and Vans

# Wolver Super Light 10W-40 / 15W-40

### PACKAGING

208 L | 60 L | 20 L | 5 L | 4 L | 1 L

Wolver Super Light is a highly alloyed lightrun gas and diesel engine oil enabling by its additives, selection of grand oils and its viscosity application an energy-saving operation.

To guarantee the lowest viscosity of the range as well as simultaneously a low volatilization loss Wolver Super Light lightrun engine contains full synthetic components meeting the demands of high tech.



#### SPECIFICATIONS:

**SAE 10W-40** API SN/CF

ACEA A3/B4

MEETS THE REQUIREMENTS OF:

MB 229.1

VW 501.01, 505.00

BMW Special

Renault RN 0700

#### SPECIFICATIONS:

**SAE 15W-40** API SM/CF

ACEA A3/B4

MEETS THE REQUIREMENTS OF:

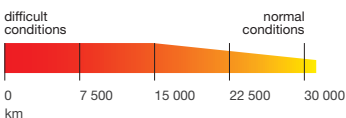
MB 229.1

VW 501.01, 505.00

BMW Special

PROPERTIES	UNIT	10W-40	15W-40
Density at 15,6°C	kg/m <sup>3</sup>	873	864
Viscosity	mPa·s	6400 (at -25°C)	6780 (at -20°C)
Viscosity at 100°C	mm <sup>2</sup> ·s	14,1	14,5
Viscosity index		159	158
Flash point COC	°C	212	222
Pour point	°C	-37	-33
TBN	mg KOH/g	8.2	9.2

Extended drain intervals, depending on operating conditions.



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## Engine Oils Cars and Vans

# Wolver Super Dynamic

## 10W-40 / 15W-40 / 20W-50

### PACKAGING

208 L | 60 L | 20 L | 5 L | 4 L | 1 L

Wolver Super Dynamic is a high-quality multigrade engine oil for passenger cars and trucks gas and diesel engines of all brands with and without turbo charging, which has been developed for the permanent increasing demands. It has an excellent lubrication, a very good shear stability as well as an excellent cleaning capability and high oxidation stability.

Wolver Super Dynamic is best suitable for the mixed fleet all year round. Usable for commercial trucks under severe conditions.



#### SPECIFICATIONS:

**SAE 10W-40** API SL/CF  
ACEA A3/B4

#### MEETS THE REQUIREMENTS OF:

MB 229.1; VW 505.00, 505.01  
BMW Special  
VOLVO VDS  
MAN 271; MTU

#### SPECIFICATIONS:

**SAE 15W-40** API SL/CF  
ACEA A3/B4, E2

#### MEETS THE REQUIREMENTS OF:

MB 228.1, 229.1  
VOLVO VDS  
MAN 271; VW 505.00  
MTU

#### SPECIFICATIONS:

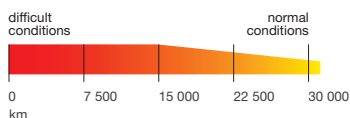
**SAE 20W-50** API SL/CF  
ACEA A3/B4, E2

#### MEETS THE REQUIREMENTS OF:

MB 228.1, 229.1  
VOLVO VDS  
MAN 271  
VW 505.00; MTU

PROPERTIES	UNIT	10W-40	15W-40	20W-50
Density at 15,6°C	kg/m <sup>3</sup>	875	885	890
Viscosity at -30°C	mPa·s	6700 (at -25°C)	6100 (at -20°C)	—
Viscosity at 100°C	mm <sup>2</sup> ·s	14,0	14,3	18,7
Viscosity index		151	135	105
Flash point COC	°C	222	224	235
Pour point	°C	-33	-32	-15
TBN	mg KOH/g	9.3	9,6	6.5

Extended drain intervals, depending on operating conditions.



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## Engine Oils Cars and Vans

# Wolver Super Traffic 10W-40

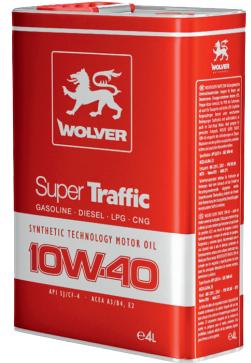
### PACKAGING

208 L | 60 L | 20 L | 5 L | 1 L

Wolver Super Traffic SAE 10W-40 – multigrade universal motor oil, used for gas and diesel engines as well as engines operating on liquefied petroleum gas (LPG, a mixture of propane and butane), turbocharged and naturally aspirated engines of passenger cars, vans and light trucks.

Recommended for all year round use in various operating conditions: urban, extra-urban, start-stop mode. Ideal for mixed fleets.

Wolver Super Traffic SAE 10W-40 meets the requirements and oil specifications for major European, American and Asian engine manufacturers.



#### SPECIFICATIONS:

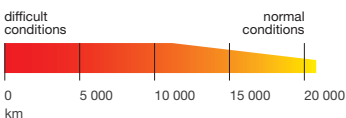
**SAE 10W-40**  
API SJ/CF-4  
ACEA A3/B4, E2

#### MEETS THE REQUIREMENTS OF:

MB 228.1, 229.1  
VW 505.00  
VOLVO VDS  
MAN 271

PROPERTIES	UNIT	TYPICAL INDICATORS
Density at 15,6°C	kg/m <sup>3</sup>	869
Viscosity at -25°C	mPa·s	5300
Viscosity at 100°C	mm <sup>2</sup> ·s	14,2
Viscosity index		155
Flash point COC	°C	224
Pour point	°C	-35
TBN	mg KOH/g	7,5

Extended drain intervals, depending on operating conditions.



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## Engine Oils Cars and Vans

# Wolver Rally ST 5W-50

### PACKAGING

208 L | 60 L | 20 L | 5 L | 4 L | 1 L

Wolver Rally ST SAE 5W-50 is a high-tech HC-Synthetic lightrun motor oil especially developed for heavily stressed gas and diesel car engines.

Wolver Rally ST SAE 5W-50 meets the manufacturers high quality demands for cars. It is excellently applicable for long oil changing intervals and for motors with direct injection.

Ideal for hard use at motorways and over short distances.



### SPECIFICATIONS:

#### SAE 5W-50

API SM/CF/EC

ACEA A3/B4

### MEETS THE REQUIREMENTS OF:

MB 229.3

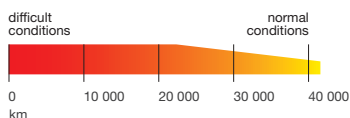
VW 502.00, 505.00

BMW Longlife-98

Porsche A 40

PROPERTIES	UNIT	TYPICAL INDICATORS
Density at 15,6°C	kg/m <sup>3</sup>	853
Viscosity at -30°C	mPa·s	4670
Viscosity at 100°C	mm <sup>2</sup> ·s	17.3
Viscosity index		188
Flash point COC	°C	223
Pour point	°C	-39
TBN	mg KOH/g	10.5
Sulphate ashes	%	1.33

Extended drain intervals, depending on operating conditions.



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**Engine Oils**  
Cars and Vans

**Wolver Rally Special**  
**10W-60**

PACKAGING

208 L | 60 L | 20 L | 5 L | 4 L | 1 L

Wolver Rally ST SAE 10W-60 is a high-tech HC-Synthetic lightrun motor oil especially developed for heavily stressed gas and diesel car engines.

Wolver Rally ST SAE 10W-60 meets the manufacturers' high quality demands for cars. It is excellently applicable for long oil changing intervals and for motors with direct injection.

Ideal for hard use at motorways and over short distances.



SPECIFICATIONS:

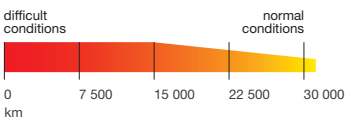
**SAE 10W-60**  
API SM  
ACEA A3/B4

MEETS THE REQUIREMENTS OF:

VW 501.01, 505.00

PROPERTIES	UNIT	TYPICAL INDICATORS
Density at 15,6°C	kg/m <sup>3</sup>	865
Viscosity at -30°C	mPa·s	6910
Viscosity at 40°C	mm <sup>2</sup> ·s	184
Viscosity at 100°C	mm <sup>2</sup> ·s	26.0
Viscosity index		177
Flash point COC	°C	222
Pour point	°C	-36
TBN	mg KOH/g	13

Extended drain intervals, depending on operating conditions.



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## Engine Oils

### Commercial vehicles, stationary equipment

# Wolver Turbo Truck

## 10W-40

#### PACKAGING

208 L | 60 L | 20 L



Wolver Turbo Truck SAE 10W-40 is a HC-Synthetic high performance motor oil for diesel engines of the newest generation. It was specially developed for diesel engines with EURO 5 and EURO 6 standard with aftertreatment of exhaust gas (particle separator). In order to maintain the functionality of aftertreatment systems and to avoid disturbance, the use of a motor oil with Low SAPS (Low Ash) technology is obligatory.

Wolver Turbo Truck SAE 10W-40 can also be used for diesel engines with Euro 4 and engines with particulate filters in combination with low-sulfur diesel (up to 50 ppm). The reduced values of sulphate, phosphor and sulphur are guaranteed by selection of specially developed basic oils and additives.

#### SPECIFICATIONS:

##### SAE 10W-40

API CI-4+ UHPD

ACEA E6-, E7-, E9-08

#### MEETS THE REQUIREMENTS OF:

MB-228.51, (226.9)

MAN M 3477, M 3271-1

VOLVO VDS-3, CNG

CATERPILLAR ECF-1a

CUMMINS CES 20076/77

DAF Long drain

DEUTZ DQC-IV-10 LA

JASO DH-2; MTU Typ 3.1

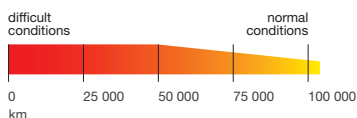
MACK EO-N / EO-M Plus

RV1 (Renault) RLD-2, RXD, RGD

SCANIA Low Ash

PROPERTIES	UNIT	TYPICAL INDICATORS
Density at 15,6°C	kg/m <sup>3</sup>	872
Viscosity at -25°C	mPa·s	6800
Viscosity at 100°C	mm <sup>2</sup> ·s	15,3
Viscosity index		150
Flash point COC	°C	230
Pour point	°C	-33
TBN	mg KOH/g	11,3

Extended drain intervals, depending on operating conditions.



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## Engine Oils

### Commercial vehicles, stationary equipment

# Wolver Turbo Max

## 15W-40

#### PACKAGING

208 L | 60 L | 20 L



Wolver Turbo Max SAE 15W-40 is the new low-sulfur (Low-SAPS) all-season motor oil for modern diesel engines of highly loaded equipment. Designed for the most severe operating conditions: modern trucks, agricultural and off-road vehicles, light highway trucks. It can be used in all modern types of diesel engines including turbochargers, EGR and OMS, especially those using low-SAPS fuels.

Wolver Turbo Max SAE 15W-40 — is recommended for use in engines that comply with environmental standards (EURO 5/6) and meets the latest requirements of leading manufacturers of machinery. Provides an increased service interval for the machinery of the early years of production, even when using sour fuel.

#### SPECIFICATIONS:

**SAE 15W-40**  
API CJ-4/CI-4  
ACEA E9/E7

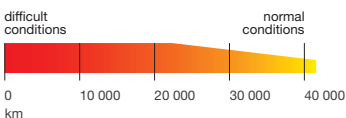
#### MEETS THE REQUIREMENTS OF:

MB 228.31, MAN M3575  
Volvo VDS-4, VDS-3, VDS-2  
Renault RLD, RXD, RD  
Cummins CES 20081, 77, 76, 75  
John Deere JDQ-78X

Detroit Diesel 93K218, 93K214  
Caterpillar ECF-3, ECF-2, ECF-1-a,  
T0-2, Deutz III-LA  
Mack EO-O Premium Plus  
MTU Type 2.1

PROPERTIES	UNIT	TYPICAL INDICATORS
Density at 15,6°C	kg/m <sup>3</sup>	857
Viscosity at -20°C	mPa·s	6400
Viscosity at 100°C	mm <sup>2</sup> ·s	15,6
Viscosity index		151
Flash point COC	°C	220
Pour point	°C	-33
TBN	mg KOH/g	7,9

Extended drain intervals, depending on operating conditions.



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## Engine Oils

### Commercial vehicles, stationary equipment

# Wolver Turbo Jet

## 10W-40 / 15W-40

#### PACKAGING

208 L | 60 L | 20 L



Wolver Turbo Jet – semisynthetic low-ash engine oil with an increased working resource, low volatility and low oil consumption (Low Evaporation). It is used in diesel engines equipped with a supercharged and naturally aspirated diesel engines of light and heavy trucks, off-road equipment, mixed fleets.

Wolver Turbo Jet developed for modern diesel engines operating in severe conditions, equipped with reducing the toxicity of exhaust gases systems without Diesel Particulate Filter (DPF), for some engines equipped with Exhaust Gas Recirculation (EGR), Selective Catalytic Reduction (SCR) and increased service intervals. Ideal for the most severe conditions: agriculture, construction, municipal works, urban and long-distance traffic. Ensures compliance with toxicity standards EURO 3, EURO 4 and EURO 5.

#### SPECIFICATIONS:

**SAE 10W-40**  
API CI-4+ SHPD  
Low Evaporation  
ACEA E4, E7

#### APPROVALS:

RENAULT RXD / VI RLD-2  
VOLVO VDS 3

#### MEETS THE REQUIREMENTS OF:

MAN M 3377, M 3277;

CATERPILLAR ECF-1.a,  
ECF-2; CUMMINS CES  
20076, 20077, 20078  
DAF HP-2  
SCANIA LDF-2

DETROIT DIESEL 93K215  
DEUTZ DQC-III-10  
GLOBAL DHD-1  
MACK EO-M Plus/EO-N  
MTU Type 3; MB 228.5

#### SPECIFICATIONS:

**SAE 15W-40**  
API CI-4+ SHPD  
Low Evaporation  
ACEA E4, E7

#### MEETS THE REQUIREMENTS OF:

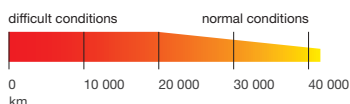
MAN M 3575  
MB 228.31  
Caterpillar ECF-1a, -2, -3  
Cummins CES 200 81

Renault VI RLD-3  
Volvo VDS-3  
Global DHD-1  
JASO DH-2

Mack EO-O Premium Plus  
MTU Type 2.1  
MTU Type 3

PROPERTIES	UNIT	10W-40	15W-40
Density at 15,6°C	kg/m <sup>3</sup>	873	874
Viscosity	mPa·s	6700 (at -25°C)	6100 (at -20°C)
Viscosity at 100°C	mm <sup>2</sup> ·s	15,5	15,9
Viscosity index		148	143
Flash point COC	°C	226	220
Pour point	°C	-32	-32
TBN	mg KOH/g	11,1	10,7

Extended drain intervals, depending on operating conditions.



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# Engine Oils

## Commercial vehicles, stationary equipment

# Wolver Turbo Evolution

## 10W-40 / 15W-40

PACKAGING

208 L | 60 L | 20 L | 5 L | 1 L



Wolver Turbo Evolution is a highly effective engine oil of a new level of modern vehicles and stationary engines, which is a product of the evolution of API CI-4 (2002) oil to higher requirements of ACEA E7 (2016).

Wolver Turbo Evolution is produced with the use of an advanced and balanced additive package — Stable Protect, which allows to ensure optimum productivity, thermal, viscosity and antioxidant stability during a long period of exploitation.

Wolver Turbo Evolution is especially effective in engines of commercial vehicles, medium-loaded engines of main trucks, agricultural and quarry equipment. Complies with the current environmental standards EURO 5/4/3 and can be used in engines with EGR and/or SCR exhaust gas cleaning technologies without a particulate filter.

SPECIFICATIONS:

**SAE 10W-40/15W-40**

API CI-4/SL

ACEA A3/B4, E7

APPROVALS:

VOLVO VDS-3 (10W-40 only)

MACK EO-M Plus / EO-N (10W-40 only)

RENAULT VI, RLD-2 (10W-40 only)

MEETS THE REQUIREMENTS OF:

MB 228.3

MB 229.1 (15W-40 only)

Volvo VDS-3

Mack EO-M Plus / EO-N

RENAULT VI, RLD-2

Cummins CES

20071/-72/-75/-76/-77/-78

MAN M 3275

MTU 2

IVECO

Caterpillar ECF-1-a

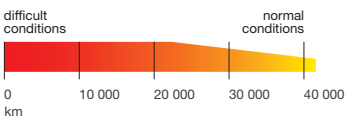
Caterpillar ECF-2 (10W-40 only)

ALLISON C-4

Voith Retarder Typ A

PROPERTIES	UNIT	10W-40	15W-40
Density at 15,6°C	kg/m <sup>3</sup>	863	865
Viscosity	mPa·s	6400 (at -25°C)	6800 (at -20°C)
0Viscosity at 100°C	mm <sup>2</sup> ·s	14.9	16,0
Viscosity index		165	155
Flash point COC	°C	228	230
Pour point	°C	-34	-32
TBN	mg KOH/g	10.5	10.2

Extended drain intervals, depending on operating conditions.



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## Engine Oils

### Commercial vehicles, stationary equipment

# Wolver Turbo Power

## 15W-40 / 20W-50

#### PACKAGING

208 L | 60 L | 20 L | 5 L | 4 L | 1 L



Wolver Turbo Power is a new HD-engine oil, highly compounded with synthetic additives. It is well suited for gasoline and passenger car diesel engines, even with turbo charging.

The high additive content guarantees excellent detergent, dispersant and anti-wear properties. It is a top quality product which offers safety of operation.

Wolver Turbo Power can be mixed with all other HD-motor oils.

#### SPECIFICATIONS:

**SAE 15W-40**  
API CF-4  
ACEA E2

#### MEETS THE REQUIREMENTS OF:

MAN 271  
MB 228.1  
Volvo VDS

#### SPECIFICATIONS:

**SAE 20W-50**  
API CI-4/SL  
ACEA A3/B3, A3/B4, E4, E7  
Global DHD-1

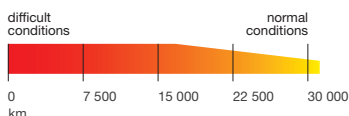
#### MEETS THE REQUIREMENTS OF:

MB 228.3  
MAN M 3275  
Volvo VDS-3,  
Cummins CES 20071, 72,76, 77, 78  
Mack EO-M Plus

Iveco  
Renault RLD  
Caterpillar TO-2  
Allison C-4  
MTU Type 3

PROPERTIES	UNIT	15W-40	20W-50
Density at 15,6°C	kg/m <sup>3</sup>	876	896
Viscosity	mPa·s	6800 (at -20°C)	9000 (at -30°C)
Viscosity at 100°C	mm <sup>2</sup> ·s	14.9	18.32
Viscosity index		140	105
Flash point COC	°C	224	248
Pour point	°C	-27	-15
TBN	mg KOH/g	9.5	9.14

Extended drain intervals, depending on operating conditions.



Attention: Service instructions should be observed! Wolver is a registered trademark of Wolver Lab GmbH Cologne, Germany



## Engine Oils

### Commercial vehicles, stationary equipment

# Wolver Turbo Plus

## 10W-40

#### PACKAGING

208 L | 60 L | 20 L | 5 L | 1 L



Wolver Turbo Plus SAE 10W-40 is a fuel-efficient high-performance lightrun motor oil for all gas and diesel engines of passenger cars, for example, by their particular engine design principles and lean mixture or exhaust turbochargers are special requirements for the engine oil. By the availability under the most difficult conditions, it is an ideal oil for the supply of mixed fleets.

Wolver Turbo Plus SAE 10W-40 based on high quality mineral base oils. Together with a modern additive package and shear stable VI improver, it is suitable for year-round operation and long operating times.

#### SPECIFICATIONS:

##### SAE 10W-40

API CG-4/SJ

ACEA A2/B2, E2

#### MEETS THE REQUIREMENTS OF:

MB 228.1, 229.1

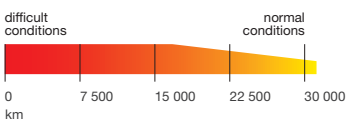
MAN 271

Volvo VDS

VW 501.01, 505.00

PROPERTIES	UNIT	TYPICAL INDICATORS
Density at 15,6°C	kg/m <sup>3</sup>	869
Viscosity at -25°C	mPa·s	6600
Viscosity at 100°C	mm <sup>2</sup> ·s	14,3
Viscosity index		148
Flash point COC	°C	218
Pour point	°C	-34
TBN	mg KOH/g	9,2

Extended drain intervals, depending on operating conditions.



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## Engine Oils

### Commercial vehicles, stationary equipment

# Wolver Turbo Plus

## SAE 40 / SAE 50 / SAE 60

#### PACKAGING

208 L | 60 L | 20 L | 5 L | 4 L | 1 L



Wolver Turbo Plus is high quality oil designed for heavy duty engines where monograde oil is specified.

Wolver Turbo Plus have been formulated to provide robust engine performance in a variety of off-highway applications or older on-highway diesel vehicles. This range of engine oils can be applied in construction industry for transmission and hydraulic applications. Wolver Turbo Plus offer premium performance and protection for these applications. Wolver Turbo Plus is suitable for certain stationary equipment, such as pumps, that run continuously under steady state conditions.

#### SPECIFICATIONS:

**SAE 40** API CF; ACEA E2

MEETS THE REQUIREMENTS OF:

MB 228.3; MAN 270;

MTU Type 1

#### SPECIFICATIONS:

**SAE 50** API CF; ACEA E2

MEETS THE REQUIREMENTS OF:

MB 228.3; MAN 270;

MTU Type 1

#### SPECIFICATIONS:

**SAE 60** API CF; ACEA E2

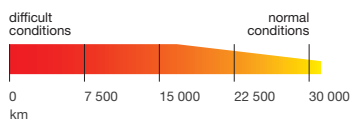
MEETS THE REQUIREMENTS OF:

MB 228.3; MAN 270;

MTU Type 1

PROPERTIES	UNIT	SAE 40	SAE 50	SAE 60
Density at 15,6°C	kg/m <sup>3</sup>	897	900	901
Viscosity at 100°C	mm <sup>2</sup> ·s	15.1	21.1	24.3
Flash point COC	°C	238	242	250
Pour point	°C	-15	-15	-15
TBN	mg KOH/g	7.4	7.3	7.3

Extended drain intervals, depending on operating conditions.



Attention: Service instructions should be observed! Wolver is a registered trademark of Wolver Lab GmbH Cologne, Germany



## Universal Agricultural Oils Tractors

# Wolver STOU 10W-30

### PACKAGING

208 L | 60 L | 20 L

Wolver STOU 10W-30 is a special oil which meets the recommendations of all well known tractor manufacturers.

It can be used equally for engines, gears and hydraulic systems of modern tractors. High-quality basic oils and selected additives provide a disturbance-free operation of all units at all seasons.

Thus also best suitable for wet brakes and clutches (power shaft clutches).



#### SPECIFICATIONS:

**SAE 10W-30, 80W**  
API CH-4/CE/SF  
ACEA E3  
HVLDP-D 68 (ISO VG 68)  
API GL-4

#### MEETS THE REQUIREMENTS OF:

Allison C-4  
Case MS  
1118/1206/1207/1209/1230  
Denison HF-2  
International Harvester B6  
Fiat AF 87  
Case NH MAT  
3505/3509/3525/3526  
Caterpillar TO-2

Deutz DQC I-02  
Ford M2C48-C3/M2C-86B/  
M2C134-D/M2C159B,C  
John Deere J 27  
Massey Ferguson CMS 1145  
(M1135-1145)  
MB-Freigabe 227.1/228.1  
New Holland NH  
024C/030C/410B/420A  
ZF TE-ML 06A/B/C/F, 07B/D

PROPERTIES	UNIT	TYPICAL INDICATORS
Density at 15,6°C	kg/m <sup>3</sup>	876
Viscosity at -25°C	mPa·s	6700
Viscosity at 100°C	mm <sup>2</sup> ·s	11,1
Viscosity index		139
Flash point COC	°C	213
Pour point	°C	-34
TBN	mg KOH/g	9,3

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## Universal Agricultural Oils Tractors

### Wolver UTTO

#### PACKAGING

208 L | 60 L | 20 L

Wolver UTTO is a first-rate multigrade oil which can be used for farm tractors, forklift trucks of all manufacturers as hydraulic and gear oil.

It is suitable for units with wet brakes and clutches (neck shaft coupling).

**Wolver UTTO is not applicable as a motor oil.**



#### SPECIFICATIONS:

**SAE 80W, 85W**  
API GL-4  
HLP-D/HVLP-D  
(ISO VG 46-68)

#### MEETS THE REQUIREMENTS OF:

Denison HF-0, HF-1, HF-2  
Sperry Vickers I-286-S,  
M-2950-S  
Allison C4,  
MIL-L-2105,  
Caterpillar TO-2,  
ZF TE-ML 05F, 17E  
Allison C3,  
Case MS-1204,MS-1205,

MS-1206,MS-1207,MS-1209,MS-1210  
Case New Holland MAT 3525, 3505  
Deutz Hydr. Trans Fluid  
Denison HF 1/2/3  
John Deere J 20C/D  
Massey Ferguson M-1110, M-1127 A,  
B; M-1129 A; M-1135; M-1139; M-1141;  
M-1143; M-1145  
Valmet/Volvo BM  
ZF TE-ML 03E/06

PROPERTIES	UNIT	TYPICAL INDICATORS
Density at 15,6°C	kg/m <sup>3</sup>	878
Viscosity at -25°C	mPa·s	6800
Viscosity at 100°C	mm <sup>2</sup> ·s	10,8
Viscosity index		132
Flash point COC	°C	230
Pour point	°C	-36
TBN	mg KOH/g	9,3

Attention: Service instructions should be observed! Wolver is a registered trademark of Wolver Lab GmbH Cologne, Germany





## Engine Oils

### 2T Motorcycles, Scooters, Boats / T-Motorcycles

## Wolver Atlantis 2T Outboard

PACKAGING 208 L | 1 L

Wolver Atlantis 2T Outboard is specially designed oil for all 2-stroke outboard engines. High quality ashless two-stroke oil that meets NMMA TC-W3.



SPECIFICATIONS:	MEETS THE REQUIREMENTS OF:	
API TC	Suzuki	Mariner
JASO FC	Yamaha	Johnson
NMMA TC-W3	Mercury	Kawasaki
		Evinrude

PROPERTIES	UNIT	TYPICAL INDICATORS
Density at 15,6°C	kg/m <sup>3</sup>	867
Viscosity at 100°C	mm <sup>2</sup> ·s	6.29
Viscosity index		126
Flammpunkt PM	°C	107
Pour point	°C	-30
TBN	mg KOH/g	8.7

## Wolver Two Stroke Speed 2T

PACKAGING 208 L | 1 L

Wolver Two Stroke Speed 2T is a modern two-stroke engine oil with synthetic basic oils and extremely effective "low smoke" two-stroke additives for universal use in combined and fresh oil lubricated air and water-cooled two-stroke gasoline engines.

Wolver Two Stroke Speed 2T because of its additives excellently suits for modern high-performance two-stroke engines of cars, motor-bikes, lawn-mowers, saw chain-driver, snowmobiles etc.

SPECIFICATIONS:  
API TC · JASO FC  
ISO-L-EGD

MEETS THE  
REQUIREMENTS OF:  
Piaggio SI;  
Husqvarna 272;  
TISI; Global-6D



PROPERTIES	UNIT	TYPICAL INDICATORS
Density at 15,6°C	kg/m <sup>3</sup>	883
Viscosity at 100°C	mm <sup>2</sup> ·s	8,8
Viscosity index		95
Flash point COC	°C	230
Pour point	°C	-29
TBN	mg KOH/g	1,34

Attention: Service instructions should be observed! Wolver is a registered trademark of Wolver Lab GmbH Cologne, Germany



## Engine Oils

### 4T Motorcycles, Scooters, Boats / T-Motorcycles

## Wolver Tornado 4T Outboard 10W-30

PACKAGING 208 L | 1 L

The high performance motor oil for 4-stroke outboard engines. Wolver Tornado 4T Outboard 10W-30 meets the requirements of the National Marine Manufacturers Association NMMA FC-W and recommended for FC-W fluids in all outboard engines. It can also be used for engines operating in seawater.

PROPERTIES	UNIT	TYPICAL INDICATORS
Density at 20°C	kg/m <sup>3</sup>	872
Viscosity at 100°C	mm <sup>2</sup> ·s	11.8
Viscosity index		149
Flash point COC	°C	216
Pour point	°C	-32
TBN	mg KOH/g	6.8



**SPECIFICATIONS:**  
SAE 10W-30  
API SL, SJ  
NMMA FC-W

## Wolver Four Stroke Power 4T 10W-30

PACKAGING 208 L | 1 L

Universal semisynthetic oil for use in modern four-stroke gasoline and diesel engines of power equipment: generators, water pumps, cultivators, soil cutters, tractors, snow blowers, lawn mowers. It is used in 4T engines of motorcycles, ATVs, scooters and other equipment, according to the manufacturer's recommendations.

PROPERTIES	UNIT	TYPICAL INDICATORS
Density at 15,6°C	kg/m <sup>3</sup>	877
Viscosity at -25°C	mPa·s	6400
Viscosity at 100°C	mm <sup>2</sup> ·s	10,2
Viscosity index		140
Flash point COC	°C	216
Pour point	°C	-34
TBN	mg KOH/g	6,3



**SPECIFICATIONS:**  
SAE 10W-30  
API SL/CF  
JASO MA2

## Wolver Four Stroke Racing 4T 10W-40

PACKAGING 208 L | 1 L

Special high performance semisynthetic oil elaborated for modern four stroke engines of motorcycles and small machinery. It satisfies the technical demands of all motorcycle manufacturers, and is suitable for all air-cooled and water-cooled 4-stroke motorcycle engines.

PROPERTIES	UNIT	TYPICAL INDICATORS
Density at 15,6°C	kg/m <sup>3</sup>	878
Viscosity at -25°C	mPa·s	6400
Viscosity at 100°C	mm <sup>2</sup> ·s	13,7
Viscosity index		153
Flash point COC	°C	215
Pour point	°C	-34
TBN	mg KOH/g	6,2



**SPECIFICATIONS:**  
SAE 10W-40  
API SL  
JASO MA-2

## Transmission Oils Cars and Vans

# Wolver Multipurpose Gear Oil GL-4 75W-90

Wolver Multipurpose Gear Oil GL-4 is a multi-purpose gear oil of viscosity category SAE 75W-90. It is based on semisynthetic components and a very shear stable VI Improver which ensures at long-term the desired SAE-category acc. DIN 51512 even under highest load. Because of its excellent viscosity-temperature behaviour this product can be applied in the fleet year-round.

Wolver Multipurpose Gear Oil GL-4 is suitable for lubrication of gear boxes, differential and steering gears in vehicles where the service instructions prescribe EP gear oil types.

#### SPECIFICATIONS:

**SAE 75W-90**  
API GL-4

#### MEETS THE

#### REQUIREMENTS OF:

MAN 341 Z-1;  
MB 235.1, 235.11;  
ZF TE-ML 02A, 16A,  
17A, 19A;  
MIL-L-2105 D



#### PACKAGING

208 L | 20 L | 1 L

PROPERTIES	UNIT	TYPICAL INDICATORS
Density at 15,6°C	kg/m <sup>3</sup>	892
Viscosity at 100°C	mm <sup>2</sup> ·s	15,2
Viscosity index		146
Flash point COC	°C	212
Pour point	°C	-34
TAN	-	0,6

# Wolver Multigrade Gear Oil GL-5 80W-90

Wolver Multigrade Gear Oil GL-5 SAE 80W-90 is a multi-purpose hypoid gear oil for mechanical gears based on high-quality basic oils and additives. To avoid seasonal changes this gear oil is available with the viscosity categorie SAE 80W-90 and thus can be applied in winter and summer. Universal application reduces the risk of confusion and simplifies stockkeeping. The balanced combination of additives guarantee properties like high pressure susceptibility, exceptional good viscosity-temperature behaviour, high oxidation stability.

#### SPECIFICATIONS:

**SAE 80W-90, API GL-5**

#### MEETS THE

#### REQUIREMENTS OF:

MB 235.0; ZF TE-ML  
05A, 16B/C/D, 17B,  
19B; ; ZF TE-ML 07A,  
12E, 21A; MAN 342  
M-1; MIL-L-2105 D;  
Volvo 97310, 97313;  
DAF; Renault



#### PACKAGING

208 L | 20 L | 1 L

PROPERTIES	UNIT	TYPICAL INDICATORS
Density at 15,6°C	kg/m <sup>3</sup>	899
Viscosity at 100°C	mm <sup>2</sup> ·s	15,4
Viscosity index		89
Flash point COC	°C	228
Pour point	°C	-28
TAN	mg KOH/g	0,7

## Transmission Oils Automatic Transmission

### Wolver Super Fluid ATF 3000

Wolver Super Fluid ATF 3000 — is a DEXRON III-class fluid for automatic transmission. Carefully selected mineral and HC-Synthetic base oils modified additive and effective ingredient combinations make the quality of this ATF perfect. It is a special transmission oil for modern, self-engaging vehicle transmissions.

#### SPECIFICATIONS:

**GM DEXRON III H;**  
FORD MERCON; MB 236.1;  
MAN 339 Type Z-1, V-1 & V-2;  
ZF TE-ML 03D, 04D, 09, 11, 14A, 17C

#### MEETS THE REQUIREMENTS OF:

Allison C-4; Caterpillar TO-2; Voith  
Liste 55.6335.32 (früher G 607),  
55.6336; MB 236.5 (obsolete)



PACKAGING  
208 L | 20 L | 1 L

PROPERTIES	UNIT	TYPICAL INDICATORS
Density at 15,6°C	kg/m <sup>3</sup>	859
Viscosity at 100°C	mm <sup>2</sup> ·s	7,8
Viscosity index		179
Flash point COC	°C	205
Pour point	°C	-46

### Wolver Super Fluid ATF IID

Wolver Super Fluid ATF IID — is a DEXRON II D-class fluid for automatic transmission with increased load property, best oxidation stability, exceptional good viscosity-temperature behaviour, extreme low pour point and high thermal capacity. Protects from foaming and ensures wear protection because of high efficient EP additives. It is a special gear oil for application in automatic transmissions.

#### SPECIFICATIONS:

**GM DEXRON II D**

#### MEETS THE REQUIREMENTS OF:

MAN 339 Type Z1, V1; MB 236.1,  
236.5; ZF TE-ML 02F, 03D, 04D,  
09A, 11A, 14A, 17C; Caterpillar  
TO-2; Allison C-3/C-4; Voith Liste  
55.6335.32 (früher G 607); Renk  
Doromat



PACKAGING  
208 L | 20 L | 1 L

PROPERTIES	UNIT	TYPICAL INDICATORS
Density at 15,6°C	kg/m <sup>3</sup>	862
Viscosity at 100°C	mm <sup>2</sup> ·s	7,4
Viscosity index		163
Flash point COC	°C	197
Pour point	°C	-43

## Transmission Oils Automatic Transmission

# Wolver Super Fluid ATF MVS

### PACKAGING

208 L | 20 L | 1 L



Wolver Super Fluid ATF MVS — universal automatic transmission fluid with high viscosity index. Selected base oils and modified combinations of active additives give a special quality to this ATF-transmission oil.

Wolver Super Fluid ATF MVS — provides reliable functioning of hydraulic systems in wide temperatures ranges. Highly effective additive packages ensure wear protection of knots and units and prevent foaming.

Wolver Super Fluid ATF MVS — is suitable for automatic transmissions, hydrostatic transmissions, power steering gears. Can be used for extended intervals, if it's regulated by auto manufacturer.

#### SPECIFICATIONS:

GM DEXRON II / II D, DEXRON III G / E / H

#### MEETS THE REQUIREMENTS OF:

Aisin Warner JWS 3309	Idemitsu ATF HP, Idemitsu K17
Allison C-4, TES-295, TES-389	Land Rover Esso Type LT 71141
Chrysler/Dodge/Jeep ATF+2/ATF+3/ATF+4, SP-III	Land Rover Texaco ETL-7045E
MB 236.3, 236.5, 236.6, 236.7	Mitsubishi SP-II / SP-III
Ford WSS-M2C919-E (Mercon V)	Mobil ATF 3309
Esso LT 71141	Shell 3403-M115, LA 2634
Hyundai/Kia JWS-3309 T4	Texaco ETL 7045E / 8072B, N402
Hyundai/KIA SP-II/ SP-III	Toyota/Lexus/Scion Type D-II / T / T-III / T-IV

PROPERTIES	UNIT	TYPICAL INDICATORS
Density at 15,6°C	kg/m <sup>3</sup>	850
Viscosity at 40°C	mm <sup>2</sup> ·s	38.1
Viscosity at 100°C	mm <sup>2</sup> ·s	7.1
Viscosity index		150
Flash point COC	°C	227
Pour point	°C	-46



## Transmission Oils Automatic Transmission

# Wolver Super Fluid ATF IV

### PACKAGING

208 L | 20 L | 1 L

Wolver Super Fluid ATF IV is a synthetic automatic transmission fluid ATF with a unique additive package for automatic transmission that meets the latest specifications and performance requirements of most European, American and Asian AT manufacturers.

Wolver Super Fluid ATF IV is engineered with superior base oils to ensure superb low and high temperature performance. Synthetic formula exceeds all ATF III series requirements and provides superior transmission life.

**IMPORTANT: Follow the recommendation of owner's manual for compatibility of the fluid with the transmission type used.**



### MEETS THE REQUIREMENTS OF:

Toyota/Aisin AW/Warner Automatic Gearbox  
 BMW 83 22 7 542 290 for MINI 6-Speed Aisin F21,  
 83 22 0 402 413 for MINI 6-Speed Aisin F21 (USA only)  
 FORD 1327936, WSS-M2C924-A, XT-8QAW  
 GM 9986195, OPEL/GM 1940771, 1940774  
 Land Rover LR002748 6-Speed Aisin F21  
 Renault 7711218368 SU1 Gear / 7711172225 for SU0  
 & SU1 transmission  
 Toyota JWS 3309, 08886-81016, 00279-000T4, 08886-  
 01705

Volvo 1161540  
 VW/Audi G 055 025 A2  
 Nissan 999MP-MTK00P for RE5F22A  
 (Aisin AW55-50SN Nissan Altima, Maxima,  
 Quest, Sentra), Matic K  
 Mazda K020-W0-049  
 Suzuki 99000-22800-001  
 ESSO JWS3317  
 Land Rover LR022460  
 Fiat 9.55550-AV1.

PROPERTIES	UNIT	TYPICAL INDICATORS
Density at 15,6°C	kg/m <sup>3</sup>	848
Viscosity at 40°C	mm <sup>2</sup> ·s	34,0
Viscosity at 100°C	mm <sup>2</sup> ·s	7.3
Flash point COC	°C	220
Pour point	°C	-47

## Transmission Oils Automatic Transmission

# Wolver Super Fluid ATF WS

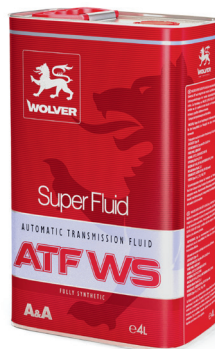
### PACKAGING

208 L | 20 L | 4 L | 1 L

Wolver Super Fluid ATF WS — the newest fluid for automatic transmissions based on HC base oils and high-performance additives. The unique composition of the oil provides extended service intervals, excellent resistance to wear and oxidation, efficient operation at the lowest temperatures.

Wolver Super Fluid ATF WS — recommended for use in modern stepped automatic boxes and hydraulic mechanisms for controlling cars, minibuses and trucks.

The performance of Wolver Super Fluid ATF WS covers the requirements of ATF DEXRON IID / DEXRON III F/G/H. Applied base oils and additive packages ensure reliable operation throughout the life of the operation (follow the operating instructions of the equipment manufacturer).



### MEETS THE REQUIREMENTS OF:

Ford Mercon WSS-M2C138-CJ  
 Ford Mercon WSS-M2C166-H  
 Ford Mercon WSS-M2C922-A1  
 Ford Mercon WSS-M2C924-A  
 Ford Mercon LV  
 Toyota Type T-IV, T-III, D-III, D-II  
 Allison C-4  
 MB 236.1, 236.5, 236.7, 236.8, 236.9, 236.41

Nissan Matic C / D / J / K / S  
 KIA/Hyundai JWS 314 / 9683 / 3309 / 3324  
 KIA/Hyundai SP-II / SP-III  
 KIA/Hyundai SP-IV / SP-IV M / SP-IV RR  
 BMW ETL 7045 / 7045E / 8072B / LA 2634  
 Mini Cooper T-IV  
 Subaru ATF 5AT / ATF HP  
 VW/VAG G 055 025, G 052 162

PROPERTIES	UNIT	TYPICAL INDICATORS
Density at 15,6°C	kg/m <sup>3</sup>	843
Viscosity at 40°C	mm <sup>2</sup> ·s	29,0
Viscosity at 100°C	mm <sup>2</sup> ·s	6,0
Viscosity index		157
Flash point COC	°C	204
Pour point	°C	-43

## Transmission Oils Automatic Transmission

# Wolver Super Fluid ATF CVT

### PACKAGING

208 L | 20 L | 4 L | 1 L

Wolver Super Fluid ATF CVT is a special HC synthetic oil developed specially for use in modern stepless automatic transmissions — CVTs (Continuously Variable Transmission). Used in variators with both belt and chain drive.

Wolver Super Fluid ATF CVT is suitable for most CVT transmissions of American, Asian and European manufacturers with the exception of CVT transmissions mounted on hybrid vehicles. It can be used in the transmissions of MULTITRONIC (Audi), AUTOTRONIC (Mercedes-Benz), variators, installed on some models of BMW MINI according to the recommendations of the manufacturer of equipment.

Wolver Super Fluid ATF CVT — produced on the basis of the most modern base oils with a high viscosity index, contains the latest anti-wear additive package in combination with friction additives, which reduces wear and provides a specified friction coefficient for high torque transmission



### SPECIFICATIONS:

GM DEX-CVT

#### MEETS THE REQUIREMENTS OF:

Ford CVT 23/30 / WSS-M2C928-A

Toyota CVTF TC / CVTF FE

Mitsubishi CVTF-J1 / SP III

MB 236.2

Honda HMMF / HCF2 / Z1

JWS 3309/3324

Saturn DEX-CVT

KIA/Hyundai SP-III

VW/VAG G TL 52 180 (G 052 180) / 52 516 (G 052 516)

Subaru NS-2 / CVTF

BMW/Mini EZL 799

Nissan NS-1 / NS-2

Suzuki TC / NS-2 / CVT

PROPERTIES	UNIT	TYPICAL INDICATORS
Density at 15,6°C	kg/m <sup>3</sup>	848
Viscosity at 40°C	mm <sup>2</sup> ·s	34,0
Viscosity at 100°C	mm <sup>2</sup> ·s	7,0
Viscosity index		173
Flash point COC	°C	210
Pour point	°C	-51

## Industrial Lubricants Hydraulic Fluids

# Wolver Hydrauliköl HVLP 32, 46, 68

### PACKAGING

208 L | 60 L | 20 L

Wolver Hydrauliköl HVLP series is a mineral high-performance hydraulic oil with very good viscosity temperature behaviour applicable for high pressure hydraulic systems being exposed to changing temperatures. This range of high viscosity index hydraulic oils offers superior anti-wear protection and heavy duty service performance even in extreme climatic conditions.



#### SPECIFICATIONS:

DIN 51524/3 **HVLP 32**  
ISO VG 32  
AFNOR NFE 48-603 (HV)

#### MEETS THE REQUIREMENTS OF:

ASLE 70-1/70-2/70-3; Bosch Rexroth; CETOP RP 91 H (HM, HV); David Brown ET 19, ET 33; Denison TP 02100; Eaton Vickers M 2950-S, I-286-S; FZG-Test A 8,3/90 12; Hoesch HWN 2333; SEB 181222; SIS SS 155434; US Stell 126-127; VDMA 24318.

#### SPECIFICATIONS:

DIN 51524/3 **HVLP 46**  
ISO VG 46  
AFNOR NFE 48-603 (HV)

#### MEETS THE REQUIREMENTS OF:

Bosch Rexroth; CETOP RP 91 H (HM, HV); David Brown ET 19, ET 33; Denison TP 02100; Eaton Vickers M 2950-S, I-286-S; FZG-Test A 8,3/90 12; Hoesch HWN 2333; SEB 181222; SIS SS 155434; US Stell 126-127; VDMA 24318

#### SPECIFICATIONS:

DIN 51524/3 **HVLP 68**  
ISO VG 68  
AFNOR NFE 48-603 (HV)

#### MEETS THE REQUIREMENTS OF:

ASLE 70-1/70-2/70-3 Bosch Rexroth; CETOP RP 91 H (HM, HV); David Brown ET 19, ET 33; Denison TP 02100; Eaton Vickers M 2950-S, I-286-S; FZG-Test A 8,3/90 12; Hoesch HWN 2333; SEB 181222; SIS SS 155434; US Stell 126-127; VDMA 24318

PROPERTIES	UNIT	HVLP 32	HVLP 46	HVLP 68
Density at 15,6°C	kg/m <sup>3</sup>	851	874	861
Viscosity at 40°C	mm <sup>2</sup> -s	32.8	46.4	67.5
Viscosity index		147	133	152
Flash point COC	°C	205	212	220
Pour point	°C	-42	-42	-41
TAN	mg KOH/g	0,7	0,9	0,7

Attention: Service instructions should be observed! Wolver is a registered trademark of Wolver Lab GmbH Cologne, Germany



## Industrial Lubricants Hydraulic Fluids

# Wolver Hydrauliköl HLP 32, 46, 68

### PACKAGING

208 L | 60 L | 20 L

Wolver Hydrauliköl HLP series is optimally alloyed high performance hydraulic oil with broad field of application within the whole industry.

It especially distinguishes with good viscosity-temperature behaviour, high ageing stability and reliable corrosion protection. Effective additives provide an excellent wear protection under extreme loads (FZG-Test A/8,3/90 12th damage loading step). The behaviour against sealing materials is neutral).



#### SPECIFICATIONS:

DIN 51524/2 **ISO VG 32/HLP 32**  
ISO 11158 HM; MIL H 24 459  
AFNOR NF E 48-603 (HM).

#### MEETS THE REQUIREMENTS OF:

ASLE 70-1/70-2/70-3; Bosch Rexroth; CETOP RP 91 H (HM); Cincinnati Milacron P-68; David Brown ET 19, ET 33; Denison HF-0, HF-2; Eaton Vickers M 2950-S / I-286-S3; FZG-Test A 8,3/90 12 Schadenskraftstufe; Hoesch HWN 2333; Sauer Danfoss 520L0463; SIS SS 155434; US Stell 126/127; VDMA 24318

#### SPECIFICATIONS:

DIN 51524/2 **ISO VG 46/HLP 46**  
ISO 11158 HM; MIL H 24 459  
AFNOR NF E 48-603 (HM).

#### MEETS THE REQUIREMENTS OF:

ASLE 70-1/70-2/70-3; Bosch Rexroth; CETOP RP 91 H (HM); Cincinnati Milacron P-70; David Brown ET 19, ET 33; Denison HF-0, HF-2; Eaton Vickers M 2950-S / I-286-S3; FZG-Test A 8,3/90 12 Schadenskraftstufe; Hoesch HWN 2333; Sauer Danfoss 520L0463; SEB 181222 (HLP 46); SIS SS 155434; US Stell 126/127; VDMA 24318

#### SPECIFICATIONS:

DIN 51524/2 **ISO VG 68/HLP 68**  
ISO 11158 HM; MIL H 24 459  
AFNOR NF E 48-603 (HM)

#### MEETS THE REQUIREMENTS OF:

ASLE 70-1/70-2/70-3; Bosch Rexroth; CETOP RP 91 H (HM); Cincinnati Milacron P-69; David Brown ET 19, ET 33; Denison HF-0, HF-2; Eaton Vickers M 2950-S / I-286-S3; FZG-Test A 8,3/90 12 Schadenskraftstufe; Hoesch HWN 2333; Sauer Danfoss 520L0463; SIS SS 155434; US Stell 126/127; VDMA 24318

PROPERTIES	UNIT	HLP 32	HLP 46	HLP 68
Density at 15,6°C	kg/m <sup>3</sup>	873	879	886
Viscosity at 40°C	mm <sup>2</sup> -s	31,8	46,2	68,3
Viscosity index		104	102	101
Flash point COC	°C	204	206	212
Pour point	°C	-36	-36	-36
TAN	mg KOH/g	0,9	0,8	1,1

Attention: Service instructions should be observed! Wolver is a registered trademark of Wolver Lab GmbH Cologne, Germany



## Service Products

### Greases

## Wolver Optima GP2

### Universal grease

#### CALCIUM-LITHIUM COMPLEX

Effectively protects against wear and corrosion:

- Wheel bearings, steering mechanisms, hinges, transmission, vehicle and tractors supports
- Bearings and industrial equipment units
- Small appliance nodes, garage equipment

#### Temperature application range

-25° ... +150°C

#### SPECIFICATIONS:

NLGI 2  
DIN: K2N-25  
ISO: L·XCEEA 2

#### PACKAGING

170 KG | 16 KG | 8 KG | 400 ML



## Wolver Modelux EP2

### Automotive grease

#### UNIVERSAL LITHIUM with EP properties

For main vehicles nodes:

- Wheel bearings, pumps and generators
- Ball joints, cardan shafts, steering mechanisms
- Power windows, cables, slides, locks, winches

#### Temperature application range

-30° ... +130°C

#### SPECIFICATIONS:

NLGI 2  
DIN: KP2K-30  
ISO: L·XCCEB 2

#### PACKAGING

170 KG | 16 KG | 8 KG | 400 ML



## Wolver Litoplex EP2

### Synthetic grease

#### LITHIUM COMPLEX

For extended drain intervals and high loads:

- Wheel bearings, CV joints, cardan shafts, fifth wheel couplings
- Bearings pumps and electric motors (incl. full lifetime)
- Heavy duty industrial equipment

#### Temperature application range

-30° ... +170°C

#### SPECIFICATIONS:

NLGI 2  
DIN: KP2P-30  
ISO: L·XCEHB 2 · LB/GC

#### PACKAGING

180 KG | 16 KG | 8 KG | 400 ML





## Service Products

### Greases

## Wolver Litoplex MS2

### Antiwear grease

LITHIUM WITH MOLYBDENUM DISULFIDE (MoS<sub>2</sub>)

For extreme and shock loads:

- Cardan shafts, fifth wheel couplings, CV joints, car chassis
- Mounting units of quarry and construction machinery
- Hook suspension, thrust bearings, bucket pins

#### SPECIFICATIONS:

NLGI 2  
DIN: KPF2K-30  
ISO: L-XCCHB 2



#### Temperature application range

-30° ... +130°C

#### PACKAGING

170 KG | 16 KG | 8 KG | 400 ML

## Wolver Triton WR2

### Water resistant grease

LOW-TEMPERATURE ANHYDROUS-CALCIUM

Resistant to water and low temperatures:

- Nodes of the ships and coastal machinery
- Forestry, building and agricultural machinery chassis, wet and press section bearings
- Units of snowmobiles and water scooter, pulleys, winches, cables

#### SPECIFICATIONS:

NLGI 2  
DIN: K2K-40  
ISO: L-XDCFA 2



#### Temperature application range

-40° ... +120°C

#### PACKAGING

180 KG | 16 KG | 8 KG | 400 ML

## Wolver Fenix XHP2

### Heat resistant grease

CALCIUM SULPHONATE COMPLEX

To operate under extremely high temperatures:

- Mechanisms and fittings of boilers, stoves & burners
- Bearings of hot mills, continuous casting machines, large electric motors
- Heavy machinery chassis, pneumatic drills

#### SPECIFICATIONS:

NLGI 2  
DIN: KP2S-25  
ISO: L-XBGFB 2 · LB/GC



#### Temperature application range

-25° ... +200°C

#### PACKAGING

180 KG | 16 KG | 8 KG | 400 ML

## Service Products Additives

### Wolver Motor Reanimator

Wolver Motor Reanimator is a first aid matter in a shape of a motor oil additive for worn engines that restores engine normal performance and extends its mileage till repair. Use if mileage exceeds 100000 km and whenever first symptoms of engine's wear has been detected or under extreme loads (rally, mountain, desert ride and etc.)

#### Features

- Compensates engine's wear;
- Extends mileage till repair;
- Lifts up compression and power;
- Reduces noise, smoke exhaust and oil consumption;
- Enhances protective properties of oil;
- Compatible with all engine types and engine oils;
- Dissolves easily in any engine oil without sediment;
- Doesn't contain harmful chemicals affecting engine parts.

By enhancing thermal stability of oil and its elasticity Motor Reanimator maintains tight oil film in piston clearance area, thus normalizing engine's work. Applicable in all gasoline, diesel and LPG engine types



#### PACKAGING

208 L | 20 L | 400 ML

### Wolver Motor Oil Stabilizer

Wolver Motor Oil Stabilizer is a stabilizing agent for engine oil. It is a brand new additive to improve and enhance oil viscosity. The modifier is especially effective in hot climate zones and under abnormal working conditions with maximum loads.

Use whenever oil pressure is down caused by high temperatures, loads and engine wear. Use at every next oil change or whenever oil volume has dropped.

#### Features

- Increases viscosity of heated engine oil;
- Restores elasticity of gaskets;
- Stabilizes pressure and power
- Reduces oil consumption;
- Enhances protective properties of oil;
- Effective in hot climate & under extreme loads;
- Compatible with all oil types.

Applicable in all gasoline, diesel and LPG engine types.



#### PACKAGING

208 L | 20 L | 400 ML

## Service Products Additives

### Wolver Motor Flush Adapter

Wolver Motor Flush Adapter is an adaptive flushing matter for engine oil system. It flushes carefully the engine before oil change for a new one or for a new oil type (e.g. mineral for semi synthetic or different oil brand name).

#### Features

- Removes all deposits of sludge lacquer and resins;
- Powerful dispersant agents keep flushed particles suspended and prevent their depositing on engine parts till eventual oil change;
- Neutralize harmful impact of old oil remnants on the newly changed oil;
- Totally compatible with modern synthetic, semi synthetic and mineral engine oils;
- Flushed oil system extends engine resource and its power.

Applicable in all gasoline, diesel and LPG engine types.



#### PACKAGING

208 L | 20 L | 350 ML

### Wolver Motor Flush Express

Wolver Motor Flush Express is a fast flushing matter for engine oil system. Flushes fast and effectively the oil system before oil change.

#### Features

- Flushes effectively oil system within 5 minutes;
- Removes all types of deposits, sludge, lacquer and resins;
- Totally compatible with modern synthetic, semi synthetic and mineral engine oils;
- Flushed oil system extends engine resource and its power.

Applicable in all gasoline, diesel and LPG engine types.



#### PACKAGING

208 L | 20 L | 350 ML



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## Automotive Function Fluids

### Antifreeze

# Wolver

## Antifreeze & Coolant WG12

#### PACKAGING

208 L | 10 L | 5 L | 1.5 L – Ready To Use

208 L | 60 L | 5 L | 1.5 L – Concentrate

Wolver Antifreeze & Coolant WG12 — high-coolant concentrate for modern powerful and heavy duty gas and diesel engines of cars, trucks, agricultural machinery, stationary engines which operate in all seasonal and climatic conditions. Especially recommended for cooling systems of engines, made of aluminium. Produced on the basis of monoethylene glycol and special anti-corrosion additives.

**Does not contain nitrites, amines, silicates, phosphates and borates.**

Wolver Antifreeze & Coolant WG12 is exclusively formulated by Wolver and specially developed to protect you engine against freezing, boil over, corrosion, prevents against harmful deposit formation. It meets the current requirements of the world's OEM manufacturers. Wolver Antifreeze & Coolant WG12 provides reliable protection for metal engine parts: cast iron, aluminium, cuprum and steel.



#### MEETS

##### THE REQUIREMENTS OF:

Audi/Seat/Skoda/VW  
TL 774-D/F (G12),  
MB 325.3,  
MAN 324 SNF,  
Ford WSS-M 97B44-D,  
MTU MTL 5048,  
Porsche,  
Scania T1 02-98 0813  
T/B/M sv

PROPERTIES	UNIT	WG12 READY TO USE	WG12 CONCENTRATE
Density at 20°C	g/cm <sup>3</sup>	1,072	1,119
pH-value (50%, 20°C)		8,6	8,6
Pour point	°C	-38	-38 (in aqueous solution in proportion 1:1)
Colour		red	red

## Automotive Function Fluids

### Antifreeze

# Wolver

## Antifreeze & Coolant WG11

#### PACKAGING

208 L | 10 L | 5 L | 1.5 L – Ready To Use

208 L | 60 L | 5 L | 1.5 L – Concentrate

Wolver Antifreeze & Coolant WG11 — premium quality coolant concentrate for modern gas and diesel engines of cars, trucks, agricultural machinery, stationary engines (including engines made from light metals), which operate in all seasonal and climatic conditions. Produced on the basis of monoethylene glycol and special anti-corrosion additives.

**Does not contain nitrites, amines, silicates, phosphates and borates.**

Wolver Antifreeze & Coolant WG11 is exclusively formulated by Wolver and specially developed to protect you engine against freezing, boil over, corrosion, prevents against harmful deposit formation. It meets the current requirements of the world's OEM manufacturers. Wolver Antifreeze & Coolant WG11 provides reliable protection for metal engine parts: cast iron, aluminium, cuprum and steel.



#### MEETS

##### THE REQUIREMENTS OF:

VW/Audi/Seat/Skoda  
TL 774-C (G 11),  
BMW GS 9400,  
MAN 324 NF,  
MB 325.0/325.2,  
MTU (MTL 5048),  
BS 6580, Porsche,  
Saab 6901 599,  
Opel GM QL 130100,  
Cummins 85T8-2,  
Cummins CES 14603,  
Caterpillar,  
Detroit Diesel 7SE298,  
John Deere 8650-5,  
MACK 014617004, Case,  
New Holland, Volvo

PROPERTIES	UNIT	WG11 READY TO USE	WG11 CONCENTRATE
Density at 20°C	g/cm <sup>3</sup>	1,070	1,118
pH-value (50%, 20°C)		8,4	8,4
Pour point	°C	-38	-38 (in aqueous solution in proportion 1:1)
Colour		blue / green	blue / green

## Distinctive characteristics of Wolver oils for private vehicles

WOLVER PVL	STANDARDS COMPLIANCE		VEHICLES APPLICATION	
	API	ACEA	Private vehicles	Vans
UltraTec 5W-30	SN/CF	C3	• •	•
UltraTec 5W-40	SN/CF	C3	• •	•
SuperTec 5W-30	SN/CF	A3/B3, A3/B4	• •	•
SuperTec 5W-40	SN/CF	A3/B3, A3/B4	• •	•
Super Light 10W-40	SN/CF	A3/B3, A3/B4	• •	• •
Super Dynamic 10W-40	SL/CF	A3/B3, A3/B4	• •	• •
Super Dynamic 15W-40	SL/CF	A3/B3, A3/B4	•	• •
Super Dynamic Diesel 10W-40	CF	A3/B3, A3/B4	• •	• •
Super Traffic 10W-40	SJ/CF-4	A3/B3, E2	•	• •

\*The information in the table is informative and can be changed without notice.

When selecting a motor oil, it is important to take into account the year of issue, mileage, conditions of operation of the machinery, compliance intervals of service and other possible factors of influence.

More informatoins:






[www.wolverlab.de](http://www.wolverlab.de)

or fill feedback form to:  
<https://en.wolverlab.de/contacts/>







COMPLIANCE WITH AFTERTREATMENT SYSTEMS		ECO-STANDARDS	CONSUMER PROPERTIES	
DPF	EGR + SCR	EURO	Extended drain intervals	Distinctive characteristics
• •	• •	6/5	★★	 energy-saving, eco-friendly
• •	• •	6/5	★★	
	•	5/4	★	 low-evaporation, cost-effective
	•	5/4	★	
	•	5/4	★★	
		3/2	★	 max. multi purposeness
		3/2		
		3/2	★	 optimal for diesel engines
		3/2		 affordable price

### NEW

Meets the requirements of automanufacturers for the newest vehicles.

### TRADITIONAL

Meets the requirements of automanufacturers for the mass models of vehicles.

• •

Optimal with regard to the API-class, mileage and model.

•

Applied with regard to the API-class, mileage and model.

## Distinctive characteristics of Wolver oils for commercial vehicles

WOLVER CVL	STANDARDS COMPLIANCE		VEHICLES APPLICATION		
	API	ACEA	Private vehicles	Vans	Trucks
Turbo Truck 10W-40	CI-4	E6, E7, E9			• •
Turbo Max 15W-40	CJ-4	E7, E9			• •
Turbo Jet 10W-40	CI-4	E4, E7		•	• •
Turbo Jet 15W-40	CI-4	E4, E7		•	• •
Turbo Evolution 10W-40	CI-4/SL	A3/B4, E7	• •	• •	• •
Turbo Evolution 15W-40	CI-4/SL	A3/B4, E7	• •	• •	• •
Turbo Plus 10W-40	CG-4/SJ	A2/B2, E2	•	• •	• •
Turbo Power 15W-40	CF-4	E2	•	•	• •

\*The information in the table is informative and can be changed without notice.

When selecting a motor oil, it is important to take into account the year of issue, mileage, conditions of operation of the machinery, compliance intervals of service and other possible factors of influence.

More informatoins:

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or fill feedback form to:  
<https://en.wolverlab.de/contacts/>





COMPLIANCE WITH AFTERTREATMENT SYSTEMS			ECO-STANDARDS	CONSUMER PROPERTIES	
Quarry and agriculture machinery	DPF	EGR + SCR	EURO	Extended drain intervals	Distinctive characteristics
••	••	••	6/5/4/3	★★	energy-saving, eco-friendly
••	••	••	6/5/4/3	★★★	
••		••	5/4/3	★★	low-evaporation, cost-effective
••		••	5/4/3	★★★	
•		••	5/4/3	★	reliable protection, max. multi purposeness
•		••	5/4/3	★	
•			2	★	wear-protection, affordable price
••			2	★	

**NEW**

Meets the requirements of automanufacturers for the newest vehicles.

**TRADITIONAL**

Meets the requirements of automanufacturers for the mass models of vehicles.

•• Optimal with regard to the API-class, mileage and model.

• Applied with regard to the API-class, mileage and model.

**Wolver Lab GmbH**

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