



MOL LUBRICANTS FOR **COMMERCIAL VEHICLES**

CARE-FREE KILOMETRES, MORE RELIABLE OPERATIONS



INCREASE THE EFFICIENCY OF YOUR OPERATIONS!

For a transport company to keep vehicles on the road and operate them economically is one of the most important things of all. Reliability and cost-effectiveness are vital, and properly chosen lubricants play a key role in this: they can **improve your commercial vehicles' life spans, deliver more reliable operations and significantly decrease operating costs.**

MOL COMMERCIAL VEHICLE LUBRICANTS PROVIDE

✔ COST-EFFECTIVENESS

Fuel economy can be improved by up to 1,4-3% with our fuel economy lubricants, and their longer lives ensure lower lubricant consumption while providing excellent protection for important vehicle parts, improving their life spans at the same time.

✔ RELIABILITY

Approved by all leading vehicle manufacturers, their quality is continuously assured by regular laboratory and field tests.

✔ THE LATEST TECHNOLOGY

Synthetic-based formulae promote more reliable operations.

OUR ENGINEERING SERVICES

- ✔ ensure the most suitable lubrication for all vehicle parts
- ✔ offer more effective procurement and inventory management
- ✔ can continuously monitor the status of lubricants and vehicle parts so that oil change intervals can be increased and any possible breakdowns can be detected in time, and prevented

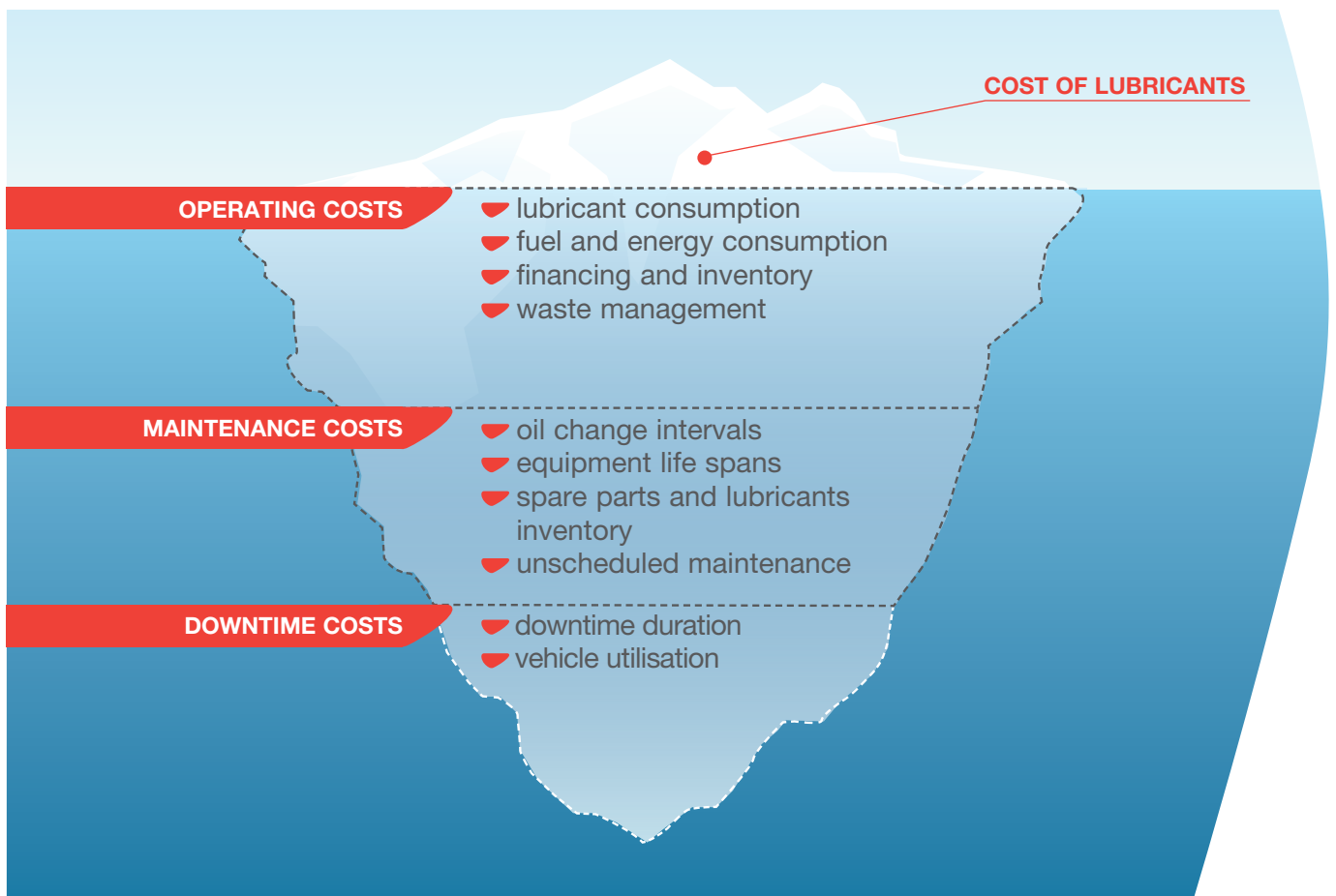




LOW EXPENSE, BIG IMPACT ON COSTS

Although lubricant costs represent less than 1 percent of a transport company's operating costs, the quality of lubricants affects most of the remaining 99 percent. That is why using cheaper, lower quality lubricants can be a more expensive solution in the long run.

With superior quality products, however, it is possible to decrease not only direct indicators like fuel and lubricant consumption, but also several indirect costs. Servicing and downtime, the number of unexpected breakdowns and maintenance, financing, inventory and waste management costs are all factors that are seriously affected by lubricant quality.



MOL LUBRICANTS FOR ALL LUBRICATED PARTS

MOL DYNAMIC ENGINE OILS

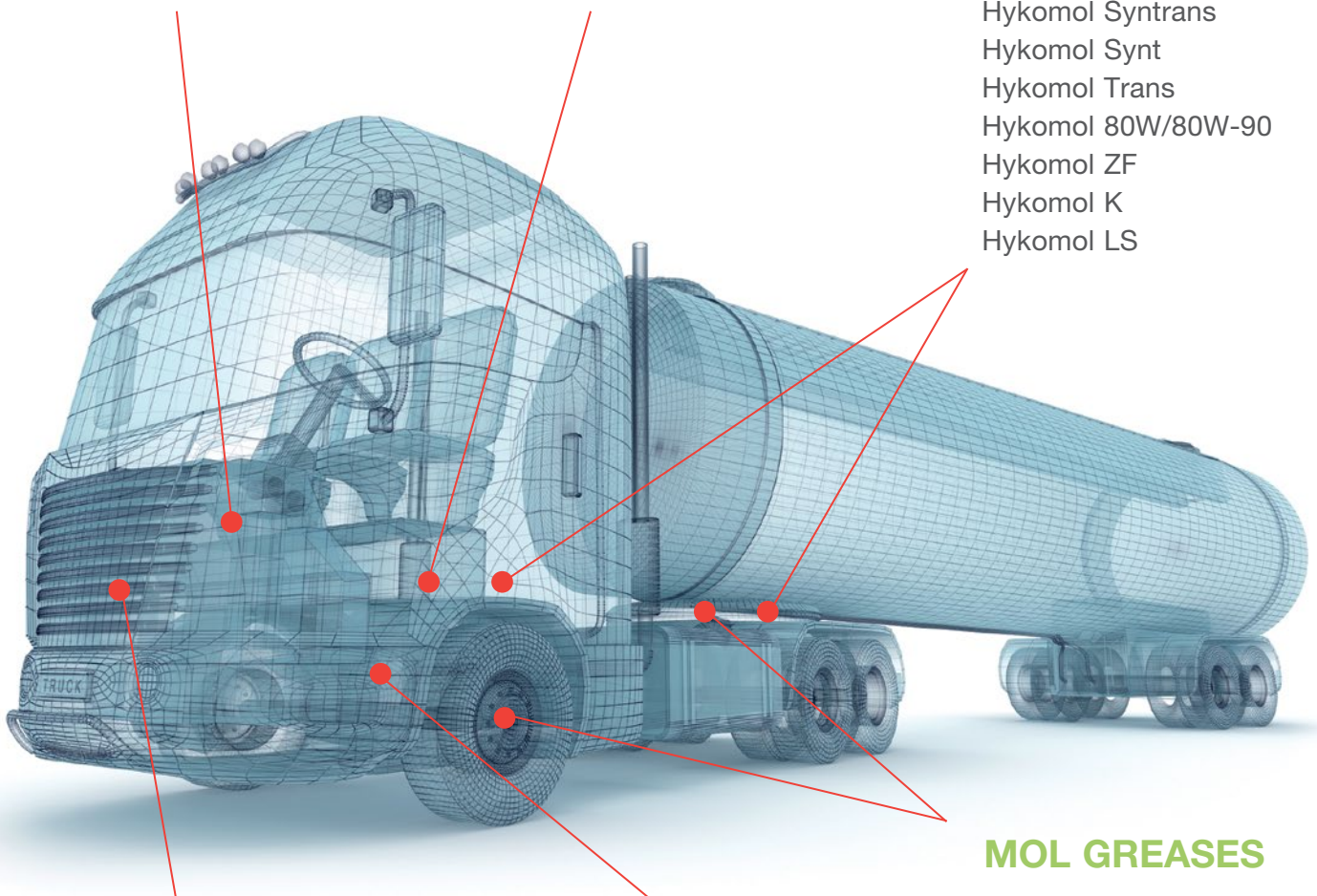
Mistral (5W-30/10W-40)
Global Diesel
(10W-30/10W-40/15W-40)
Tornado 5W-30
Synt Diesel 10W-40
Synt Diesel E4 10W-40
Transit (10W-40/15W-40)
Super Diesel 15W-40

MOL AUTOMATIC TRANSMISSION FLUIDS

ATF Synt 3H
ATF 295
ATF

MOL HYKOMOL GEAR OILS

Hykomol TDL
Hykomol Syntrans LL
Hykomol Syntrans
Hykomol Synt
Hykomol Trans
Hykomol 80W/80W-90
Hykomol ZF
Hykomol K
Hykomol LS



EVOX COOLANTS*

EVOX Extra
EVOX Premium

MOL BRAKE FLUID

MOL DOT 4+

MOL GREASES

Favorit 2
Liton LT 2EP
Liton 00
Liton 2M

* Further information on our coolant products can be found in a separate publication

MOL DYNAMIC ENGINE OILS

MOL DYNAMIC PREMIUM ECO Eco-friendly engine oils for the latest vehicles

MISTRAL 5W-30 / 10W-40

A supreme performance, synthetic, low ash engine oil that meets all the requirements of the latest manufacturer and Euro VI emission standards and can, thereby, be used in vehicles with EGR, DPF and SCR exhaust systems.

Its application not only leads to improved fuel economy but the longest possible drain intervals without the loss of outstanding protection and engine cleanliness into the bargain.

GLOBAL DIESEL 10W-30 / 10W-40 / 15W-40

A high performance, low ash engine oil for commercial vehicles equipped with advanced EGR control, SCR system, a diesel particle filter and/or a diesel oxidation catalyst.

Its application provides maximum protection and extended lifetimes for engines and exhaust after-treatment systems. MOL Dynamic Global Diesel 10W-30 also provides improved fuel economy.



MOL DYNAMIC PREMIUM

Synthetic-based supreme quality engine oils

TORNADO 5W-30

A supreme performance, synthetic engine oil specifically developed for Euro IV and Euro V engines without diesel particle filters, operating in commercial vehicles, trucks and buses.

Its application not only leads to improved fuel economy but the longest possible drain intervals without the loss of outstanding protection and engine cleanliness into the bargain.

SYNT DIESEL 10W-40

A high performance synthetic engine oil developed for Euro IV and Euro V engines without a diesel particle filter. This lubricant provides improved fuel economy, extended oil change intervals, excellent protection and superb engine cleanliness.

SYNT DIESEL E4 10W-40

A semi-synthetic high performance engine oil developed for Euro IV and Euro V engines without diesel particle filters. This lubricant provides improved fuel economy, extended oil change intervals, excellent protection and engine cleanliness.

MOL DYNAMIC UNIVERSAL

Ideal lubricants for mixed fleets

TRANSIT 10W-40

A semi-synthetic engine oil for gasoline and diesel engines operating in modern passenger and commercial vehicles. Its application is recommended for mixed fleets and commercial vehicles with Euro IV and Euro V engines without diesel particle filters.

TRANSIT 15W-40

An all-purpose engine oil for gasoline and diesel engines in passenger and commercial vehicles. Its application is recommended for mixed fleets and commercial vehicles with Euro IV and Euro V engines without diesel particle filters.

SUPER DIESEL 15W-40

A diesel engine oil for heavy duty commercial vehicles. It provides high engine protection and cleanliness even in the most severe operating conditions.



SPECIFICATIONS AND APPROVALS

	MOL Dynamic Mistral 5W-30	MOL Dynamic Mistral 10W-40	MOL Dynamic Global Diesel 10W-30	MOL Dynamic Global Diesel 10W-40	MOL Dynamic Global Diesel 15W-40	MOL Dynamic Tornado 5W-30	MOL Dynamic Synt Diesel 10W-40	MOL Dynamic Synt Diesel E4 10W-40	MOL Dynamic Transit 10W-40	MOL Dynamic Transit 15W-40	MOL Super Diesel 15W-40
ACEA	E6-12 E7-12 E9-12	E4-99 Issue 2 E6-12 E7-12 E9-12	E9-12	E9-12	E7-12 E9-12	E4-12 E7-12	E4-12 E7-12	E4-08 Issue 2 E7-08 Issue 2	E7-12	E7-12	A3/B3-04 E3-96 Issue 4
API	CJ-4	CI-4	CJ-4/SM SN	CJ-4/SM CI-4/SN	CI-4 Plus CJ-4/SN SM/CF	CF	CF	CI-4	CI-4	CI-4/SL	CF CG-4/SL
Caterpillar	ECF-3		ECF-1a ECF-2 ECF-3	ECF-1a ECF-2 ECF-3	ECF-2 ECF-3				ECF-2	ECF-2	
Cummins	CES 20081	CES 20076 CES 20077	CES 20081	CES 20081	CES 20076 CES 20077 CES 20081	CES 20077	CES 20072	CES 20078	CES 20076 CES 20077 CES 20078		
DAF		DAF				DAF					
DDC	93K218			93K218	93K218		2000/4000	2000/4000	93K218		
Deutz	DQC IV-10LA	DQC III-10LA	DQC III-10LA	DQC III-10LA	DQC III-10LA	DQC IV-10	DQC II-10	DQC III-10 DQC IV-10	DQC III-10	DQC III-10	DQC II-10
Global									DHD-1	DHD-1	
IVECO						18-1804FE					
JASO	DH-2	DH-2			DH-2						
Mack	EO-O PP	EO-N	EO-O PP		EO-O PP		EO-N	EO-N	EO-M P EO-N	EO-M P EO-N	
MAN	M 3271-1 M 3477 M 3677	M 3271-1 M 3477	M 3575	M 3575	M 3575 M 3275	M 3277	M 3277	M 3277 M 3377	M 3275-1	M 3275-1	M 3275-1
MB	228.51	228.51	228.31	228.31	228.31	228.5	228.5	228.5	228.3	228.3	228.3
MTU	Type 3.1	Type 3.1	Type 2.1	Type 2.1	Type 2.1	Type 3	Type 3	Type 3	Type 2	Type 2	Type 2
Renault	RLD-3 RXD	RLD-2 RXD RGD	RLD-3	RLD-3	RLD-3	RLD-2	RLD-2 RXD	RLD-2	RLD-2	RLD-2	RD RGD
Scania	LDF-4 Low Ash				Low Ash	LDF-2	LDF-2 LDF-3				
Tatra		TDS 40/16					TDS 40/16		TDS 30/12	TDS 30/12	TDS 30/12
TEDOM							258-4				
Volvo	CNG VDS-3 VDS-4	VDS-3	VDS-4	VDS-4	VDS-3 VDS-4	VDS-3	VDS-3	VDS-3	VDS-3	VDS-3	VDS

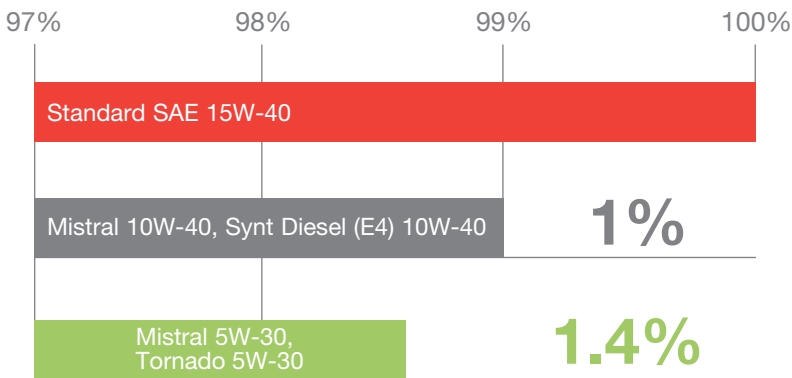
OUTSTANDING PERFORMANCE

ALL ROUND

Our premium engine oils not only reach but exceed most OEM approval and specification indicators. Fuel economy, excellent wear protection and low oil consumption make them an ideal choice for every fleet operator.

FUEL ECONOMY

Relative fuel consumption

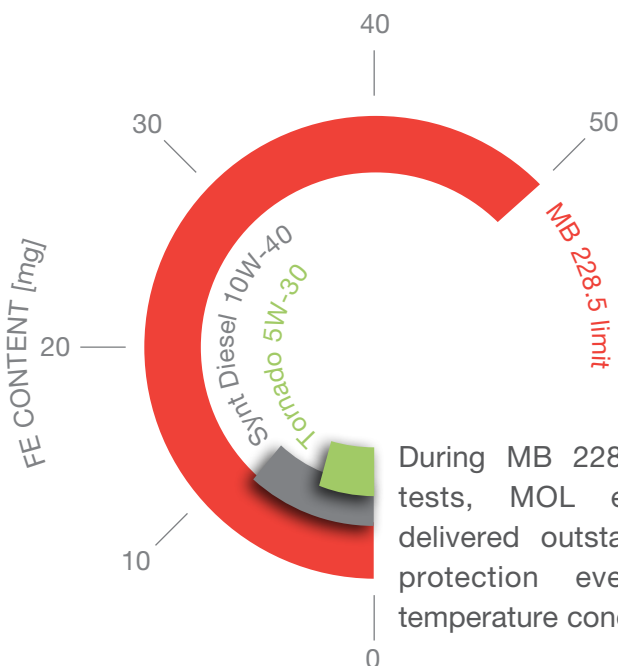


Using MOL engine oils can cut your fleet's fuel consumption¹ by up to 1.4% and save you thousands of Euros annually.

¹ Fuel saving depends on operating conditions, lubricants used earlier, maintenance practices and the state of the vehicle. The highest savings can be expected during short trips with many breaks.

WEAR PROTECTION

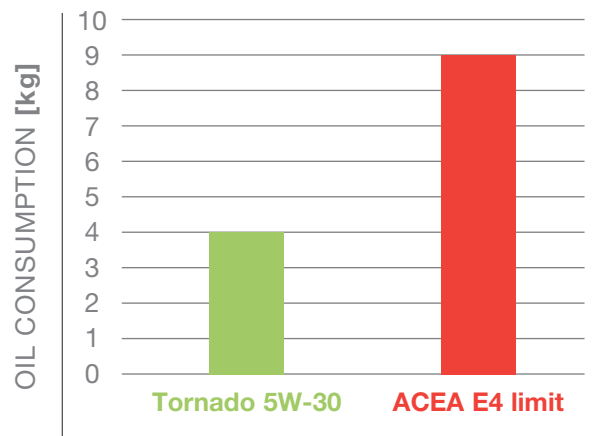
Camshaft wear, MB engine, urban conditions



During MB 228.5 approval tests, MOL engine oils delivered outstanding wear protection even in low temperature conditions.

OIL CONSUMPTION

OM 501 LA engine



Testing of MOL Dynamic Tornado demonstrated that its application ensures low oil consumption even with high loads and operating at high temperatures.

FUEL ECONOMY: TANGIBLE RESULTS

With the application of our premium engine oils, you can easily save thousands of Euros per year. Let's calculate, how your operational costs can turn out.

BASE DATA/YEAR/VEHICLE

Annual run: **120 000 km**
Fuel consumption: **27 l/100 km**
Fuel price: **0.95 €/l***
Oil change interval: **60 000 km**
Lubricant fill: **35l +8l refill**
Lubricant need: **86 l**

LUBRICANT AND FUEL COST/YEAR/VEHICLE

With a standard 15W-40 engine oil

Lubricant price: **2.26 €/l****
Lubricant cost: **195 €**

Fuel cost: **30 780 €**

Total cost:
30 975 €

With MOL Dynamic Mistral 5W-30 or Tornado 5W-30

Lubricant price: **3.56 €/l****
Lubricant cost: **306 €**

Fuel cost: **30 349 €**

Total cost:
30 655 €



ANNUAL SAVINGS PER TRUCK:

320 €



ANNUAL SAVINGS
OF A 50-TRUCK FLEET:

16 000 €

* Annual average net price, Hungary, 2017, Source: NTCA
** Estimated annual average net price in Hungary, 2017

The prices in euro are calculated on the basis of 2017 annual average exchange rates, source: MNB (the Central Bank of Hungary)

GEAR OILS

FOR MANUAL TRANSMISSIONS AND DIFFERENTIALS

PREMIUM

MOL HYKOMOL TDL

A supreme performance synthetic gear oil with special formulae for power train applications (manual transmissions and differentials). It provides outstanding protection and improved equipment lifetime when operating at high and low temperatures.

Its application ensures not only improved fuel economy but the longest possible drain intervals as well.

MOL HYKOMOL SYNTRANS LL

A supreme performance synthetic gear oil for commercial vehicles equipped with manual or automated manual transmissions with or without interarder. It provides outstanding protection and improved equipment lifetime when operating at high and low temperatures. Its application ensures not only improved fuel economy but the longest possible drain intervals as well.

MOL HYKOMOL SYNTRANS SERIES

Supreme performance synthetic gear oils for commercial vehicles equipped with manual or automatic mechanical transmissions. They provide outstanding protection, improved equipment lifetime and a high level of fuel economy when operating at high and low temperatures.

MOL HYKOMOL SYNT SERIES

High performance semi-synthetic gear oils for commercial vehicle differentials. Their high technology additive system protects equipment against the adverse effects of extreme temperature and pressure from heavy-duty applications, provides quick starting even in extremely cold weather conditions and ensures improved fuel economy.

CONVENTIONAL

MOL HYKOMOL TRANS

A high quality gear oil for commercial vehicles equipped with manual transmissions. It provides outstanding protection, improved equipment efficiency and lifetime whilst ensuring fuel economy.

MOL HYKOMOL ZF

A high performance gear oil with numerous ZF approvals, primarily for lubricating hypoid gears. Especially recommended for commercial vehicle differentials to ensure reliable operations with long drain intervals.

MOL HYKOMOL 80W

A gear oil with numerous equipment manufacturer approvals, for moderate-duty transmissions. It forms a stable, reliable lubricant film which decreases wear, tear and corrosion.

MOL HYKOMOL K SERIES

Gear oils especially developed for moderate-duty differentials. They form stable, reliable lubricant films which decrease wear, tear and corrosion.

MOL HYKOMOL 80W-90

All-purpose gear oil for moderate-duty transmissions. It forms a stable, reliable lubricant film which decreases wear, tear and corrosion.

MOL HYKOMOL LS SERIES

A lubricant especially developed for limited slip differentials.



SPECIFICATIONS AND APPROVALS

	MOL Hykopol TDL 75W-90	MOL Hykopol Syntrans LL 75W-80	MOL Hykopol Syntrans 75W-80	MOL Hykopol Syntrans 75W-90	MOL Hykopol Synt 75W-90	MOL Hykopol Trans 80W-90	MOL Hykopol 80W	MOL Hykopol 80W-90	MOL Hykopol ZF 80W-90	MOL Hykopol K 80W-90	MOL Hykopol K 80W-140	MOL Hykopol K 85W-90	MOL Hykopol LS 85W-90
API	GL-4 GL-5 MT-1	GL-4	GL-4	GL-4	GL-4 GL-5	GL-4	GL-4	GL-4	GL-5	GL-5	GL-5 MT-1	GL-5	GL-5
MIL	MIL- PRF- 2105E				MIL-L- 2105D		MIL-L- 2105	MIL-L- 2105	MIL-L- 2105D	MIL-L- 2105D		MIL-L- 2105D	
Arvin Meritor	0-76-N												
DAF	DAF	DAF	DAF										
Eaton	Eaton	Eaton	Eaton										
Ford												SQ-M2 C9002- AA	
IVECO	IVECO	IVECO	IVECO										
Mack	GO-J												
MAN	341 Typ Z2 342 Typ S1	341 Typ Z4	341 Typ Z4 341 Typ Z3			341 Typ E1	341 Typ E1		342 Typ M-2			342 Typ M-1	
MB	235.8			235.11		235.1	235.1					235.0	
Renault		Renault	Renault										
SAE	J 2360												
Scania	STO 1:0										STO 1:0		
Tatra				TDS 80/32	TDS 80/32				TDS 80/32				
Volvo	97312	97307	97307									97310	
ZF (TE-ML)	02B 04G 05A 05B 07A 12B 12L 12N 16B 16F 17B 19B 19C 21A 21B	02L 16K	02L 08 16K	08	07A 17B	08 17A 19A	17A		05A 07A 12E 16B 17B 19B 21A		05A 07A 12E 16B 16C 16D 17B 19B	07A 16B 16C 17B 19B 21A	05C 12C 16E 21C

OTHER PRODUCTS

AUTOMATIC TRANSMISSION FLUIDS

MOL ATF SYNT 3H

A supreme performance synthetic fluid for automatic transmissions and servo-units of heavy-duty commercial vehicles operating under severe conditions. In ZF and Voith transmissions it provides extended oil drain intervals.

MOL ATF 295

MOL ATF 295 is a supreme quality synthetic automatic transmission fluid designed for high performance commercial vehicles and buses. It is especially recommended for Allison and ZF automatic gearboxes. This product permits long oil change intervals even for engines operating in extreme conditions.

MOL ATF

A transmission fluid for reliably lubricating and operating automatic and semi-automatic modern commercial vehicle transmission and hydraulic systems. Suitable for a wide range of temperature conditions; delivers long equipment life.

GREASES

MOL FAVORIT 2

A multi-purpose lubricating grease with excellent adhesion and water resistance which provides protection against corrosion. Its mechanical stability ensures effective lubrication even for vibrating applications and/or in extreme weather conditions.

MOL LITON LT 2EP

A multi-purpose lubricating grease with excellent heavy-load capability and water resistance which delivers low friction, wear and tear as well as corrosion protection.

MOL LITON 00

A supreme quality synthetic-based grease ideally developed for central lubrication systems. It provides outstanding protection against oxidation, corrosion and wear, and maintains excellent pumpability in extreme cold conditions.

MOL LITON 2M

This lubricating grease, containing molybdenum disulfide, is suitable for lubricating bearings, joints and bolts under heavy and dynamic loads. It protects against extreme pressure scoring and provides excellent corrosion protection even in wet environments.

HYDRAULIC FLUIDS

MOL HYDRO HV

High performance multigrade hydraulic fluids with outstanding thermal and oxidation stability. They are perfectly suited to outdoor operations or hydraulic systems operating in a wide temperature range and provide excellent wear protection and filterability with an extended lifetime.

MOL HYDRO HME

High performance hydraulic fluids with outstanding mechanical stability that provide outstanding long duration wear protection for hydraulic equipment operating under severe conditions.

BRAKE FLUID

MOL DOT 4+

A high performance, low viscosity synthetic hydraulic fluid (brake fluid) with a high boiling point and a high moisture absorption rate. It is recommended for use in hydraulic clutches of commercial vehicles.

SERVICES



LUBRICATION TECHNOLOGY CONSULTING

Turn to us!

Our staff with years of experience is at your service for all lubrication-related matters, from choosing the most suitable lubricants through technical problems to general lubrication-related questions.

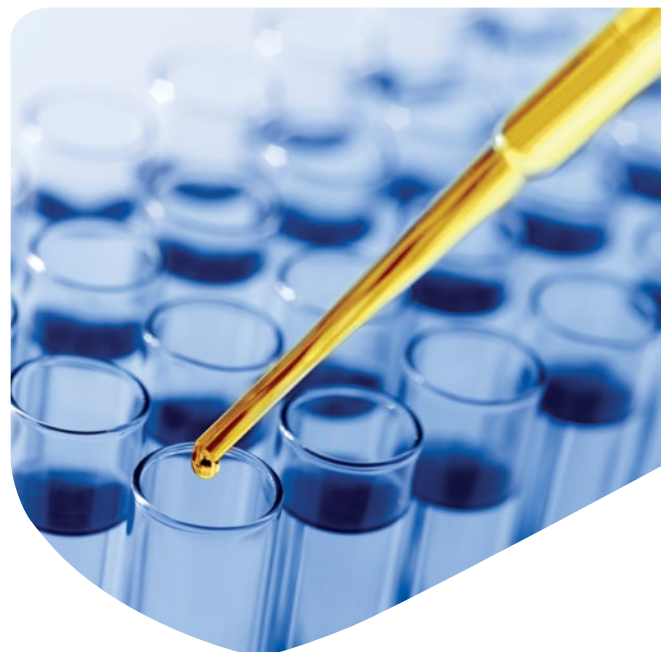
Use our online lubricant advisor (mol.hu/lubricantadvisor) and easily find the most suitable lubricants for your vehicle!

LUBCHECK OIL AND MACHINE DIAGNOSTICS

LubCheck diagnostics is the world's leading lubricant-analysis process, which helps to precisely identify the degree of lube oil ageing, degradation and any kind of damage to machines well before its consequences might cause significant losses in production and lead to high repair costs.

With regular lubricant tests it is possible to monitor the condition of vehicles, identify starting problems and prevent expensive cumulative damage.

LubCheck is also available online at mol.hu/lubcheckonline.



COOLCHECK COOLANT DIAGNOSTICS

Internal combustion engine coolants usually get less attention than they deserve. International studies have confirmed that most engine break-downs can be attributed to the malfunctioning of cooling systems or the use of unsuitable coolants.

With the help of CoolCheck coolant testing and regular maintenance practices, the proper state of the coolant systems can be maintained and coolant life optimised to achieve lower maintenance costs and better vehicle condition maintenance.

Further information on our LubCheck and CoolCheck services can be found in a separate publication.

		0,5 l	1 l	4 l	10 l	60 l	216,5 l	IBC
MOL DYNAMIC ENGINE OILS	MOL Dynamic Mistral 5W-30					x	x	x
	MOL Dynamic Mistral 10W-40				x	x	x	x
	MOL Dynamic Global Diesel 10W-30					x	x	x
	MOL Dynamic Global Diesel 10W-40					x	x	x
	MOL Dynamic Global Diesel 15W-40					x	x	
	MOL Dynamic Tornado 5W-30				x	x	x	
	MOL Dynamic Synt Diesel 10W-40			x	x	x	x	x
	MOL Dynamic Synt Diesel E4 10W-40				x	x	x	x
	MOL Dynamic Transit 10W-40		x	x	x	x	x	x
	MOL Dynamic Transit 15W-40		x	x	x	x	x	x
	MOL Super Diesel 15W-40			x	x	x	x	x
	MOL HYKOMOL GEAR OILS	MOL Hykomol TDL 75W-90				x	x	x
MOL Hykomol Syntrans LL 75W-80					x			
MOL Hykomol Syntrans 75W-80					x		x	
MOL Hykomol Syntrans 75W-90					x		x	
MOL Hykomol Synt 75W-90			x		x	x	x	x
MOL Hykomol Trans 80W-90					x		x	x
MOL Hykomol 80W			x		x	x	x	
MOL Hykomol 80W-90				x		x	x	x
MOL Hykomol ZF 80W-90					x		x	
MOL Hykomol K 80W-90			x	x	x	x	x	x
MOL Hykomol K 80W-140					x		x	
MOL Hykomol K 85W-90				x		x	x	
MOL Hykomol LS 85W-90						x	x	
MOL AUTOMATIC TRANSMISSION FLUIDS	MOL ATF Synt 3H					x	x	
	MOL ATF 295					x	x	
	MOL ATF		x	x	x	x	x	
MOL HYDRO HYDRAULIC FLUIDS	MOL Hydro HV 32				x	x	x	
	MOL Hydro HV 46				x	x	x	x
	MOL Hydro HV 68				x	x	x	x
	MOL Hydro HME 32				x	x	x	x
	MOL Hydro HME 46			x		x	x	x
	MOL Hydro HME 68			x		x	x	x
MOL BRAKE FLUID	MOL DOT 4+	x					x	

		250 g	400 g	7 kg	8 kg	60 l	216,5 l
MOL LUBRICANTING GREASES	MOL Favorit 2		x		x	x	x
	MOL Liton LT 2EP	x	x		x	x	x
	MOL Liton 00			x		x	
	MOL Liton 2M		x		x	x	x

PACK SIZES



Our lubricant services:

- ✔ Lubrication technology consulting
- ✔ LubCheck oil and machine diagnostics
- ✔ CoolCheck coolant diagnostics
- ✔ Lubrication assessment
- ✔ Training courses

YOUR PARTNER:

