



MOL LUBRICANTS FOR COMMERCIAL VEHICLES

Reliable lubrication solutions for effective fleets

mollubricants.com

WE PROVIDE THE BACKGROUND TO IMPROVE YOUR EFFICIENCY



Ever-changing technological and environmental requirements present an ongoing challenge for shipping companies, while reliable and cost-efficient operation is a basic imperative. Properly selected lubricants and related lubrication services play an essential role in running vehicles economically and with high operational availability.

Properly selected lubricants and right lubrication management greatly impact operating costs.

Supported by more than 115 years of experience and the up-to-date expertise of its development engineers, MOL-LUB is committed to ensuring that MOL lubricants contribute to economic fleet operation by increasing vehicle performance, service life and availability, and reducing operational costs.

MOL COMMERCIAL VEHICLE LUBRICANTS



FUEL SAVING

Some of our lubricants reduce the fuel consumption of vehicles by up to 1.4-3%.



EXTENDED USEFUL LIFE OF SPARE PARTS, LOWER MAINTENANCE COSTS

Provide outstanding protection for vehicle components, even in the case of high load, in particular for exhaust gas treatment systems, thus fewer breakdowns can be expected.



LONGER OIL DRAIN INTERVAL

Our lubricants ensure proper lubrication over extended periods, allowing the achievement of oil change intervals up to 150,000 km.



GUARANTEED RELIABILITY

- ▶ Our lubricants ensure high availability and reliable operation.
- ▶ Our products fully comply with the requirements of the latest commercial vehicles, which makes them excellent alternatives to OEM oils, even within the warranty period. Their quality is confirmed by ongoing operating tests.



STATE-OF-THE-ART

During portfolio definition our up-to-date experts consider OEM requirements to the fullest; therefore, our state-of-the-art composition lubricants meet the international performance level specifications and possess the official approval of various commercial vehicle manufacturers. They contribute, in particular, to the reduction of pollutant emission.

ASK OUR SPECIALISTS: WE SUPPORT YOUR DAY-TO-DAY LIFE WITH OUR EXPERTISE

The selection of the proper lubricant is only the first step in the implementation of adequate lubrication management and, as such, reliable operation. Our highly qualified engineers continuously follow trends in order to provide ongoing support for our partners with their professional knowledge.

Use our experience!

- ▶ Defects and failures can be detected and prevented with our oil and coolant diagnostic services.
- ▶ Our lubrication technology experts assist and support you in respect of any questions or issues related to lubrication.
- ▶ We train your colleagues! Our experts share their practical experience with our partners, even in the form of customised training courses.

MOL COMMERCIAL VEHICLE LUBRICANTS FOR ALL LUBRICATED PARTS

ENGINE OILS

MOL Dynamic Mistral NG 10W-30, 10W-40
MOL Dynamic Mistral 5W-20, 10W-40
MOL Dynamic Mistral FA 5W-30
MOL Dynamic Mistral XTS 5W-30
MOL Dynamic Mistral XT 5W-30
MOL Dynamic Global Diesel 10W-30, 10W-40, 15W-40
MOL Dynamic Synt Diesel 5W-30, 10W-40
MOL Dynamic Synt Diesel E4 10W-40
MOL Dynamic Transit 10W-30, 10W-40, 15W-40, 20W-50

GEAR OILS FOR THE ENTIRE DRIVELINE

MOL Hykomol TDL 75W-90
MOL Hykomol Synt 75W-90

GEAR OILS FOR AUTOMATIC TRANSMISSIONS

MOL ATF Synt 3H
MOL ATF 3G
MOL ATF

GEAR OILS FOR MANUAL TRANSMISSIONS

MOL Hykomol Syntrans series
MOL Hykomol Trans 80W-90
MOL Hykomol 80W
MOL Hykomol series

GEAR OILS FOR DIFFERENTIAL GEARS

MOL Hykomol ZF 80W-90
MOL Hykomol LS series
MOL Hykomol K series

LUBRICATING GREASES

MOL Favorit 2
MOL Liton LT 2EP
MOL Liton 00
MOL Liton 2M

HYDRAULIC OILS

MOL Hydro Prime HV ZF series
MOL Hydro HV series
MOL Hydro HME series
MOL Biohyd S series

ANTIFREEZE COOLANTS

MOL EVOX Evo concentrate and Ready -35
MOL EVOX Extra concentrate and Ready -35

BRAKE FLUIDS

MOL DOT 4+
MOL DOT 5.1

ADBLUE®

MOL DYNAMIC ENGINE OILS

Due to their outstanding wear protection, the premium quality MOL Dynamic engine oils ensure ideal engine protection, even under extra load, thus the engine can deliver maximum performance. Our engine oils have acquired the latest approvals of the leading vehicle manufacturers and fully comply with the strictest performance level requirements. Our synthetic engine oils ensure fuel-efficient operation and extra-long oil lifetime.



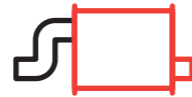
EXCELLENT ENGINE PROTECTION

Longer engine service life, coupled with reduced deposit and oil sludge formation.



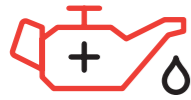
HIGH PERFORMANCE

Guaranteed reliable engine operation.



LOW ASH CONTENT*

Outstanding protection for exhaust after-treatment systems.



LONG OIL CHANGE INTERVALS

Lower operating expenses and environmental impact.



EASY COLD START

Quick lubrication, full engine protection, even in winter.



FUEL ECONOMY*

Lower consumption, rationalised costs.

* for certain types



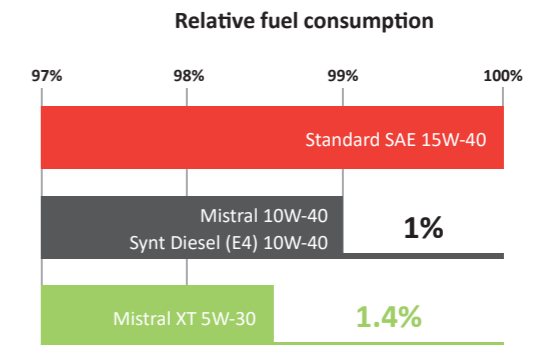
OUTSTANDING PERFORMANCE ALL ROUND

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 SAVING

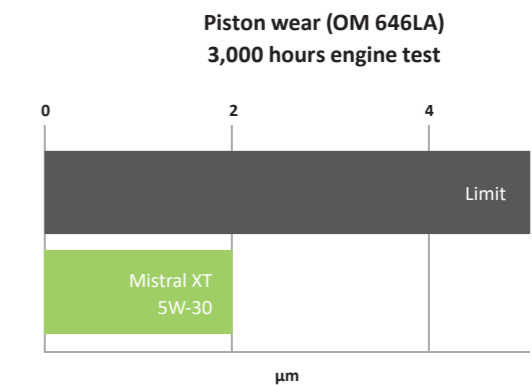
Using MOL engine oils can cut your fleet's fuel consumption¹ by up to 1.4% and save you thousands of Euros annually.

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.



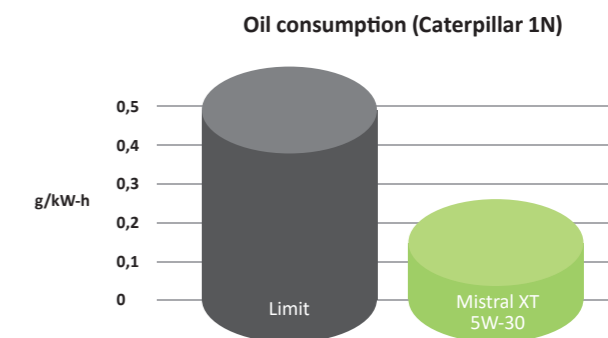
EXTRA WEAR PROTECTION FOR EXTENDED ENGINE LIFE

The 3,000 hours OM 646LA test demonstrated that the MOL Dynamic Mistral XT 5W-30 engine oil ensures outstanding wear protection.



LOW OIL CONSUMPTION

In the Caterpillar 1N test, MOL Dynamic Mistral XT 5W-30 proved that its application ensures low oil consumption even with high loads and operating at high temperatures.



MOL DYNAMIC ENGINE OILS

ENVIRONMENT-FRIENDLY AND FUEL-EFFICIENT ENGINE OILS FOR THE MOST ADVANCED EURO VI AND OLDER VEHICLES

MOL DYNAMIC MISTRAL SERIES

- ▶ Offers fuel-efficient operation.
- ▶ Suitable for extra-long drain intervals due to its synthetic base oil.
- ▶ Low ash content to provide maximum protection for exhaust after-treatment equipment. Perfect for use with EGR, DPF and SCR systems or in vehicles equipped with diesel oxidation catalyst (DOC).

MOL DYNAMIC GLOBAL DIESEL SERIES

- ▶ Suitable for long-drain intervals.
- ▶ Low ash content to provide maximum protection for exhaust after-treatment equipment. Perfect for use with EGR, DPF and SCR systems or in vehicles equipped with diesel oxidation catalyst (DOC).
- ▶ High performance under difficult operating conditions.

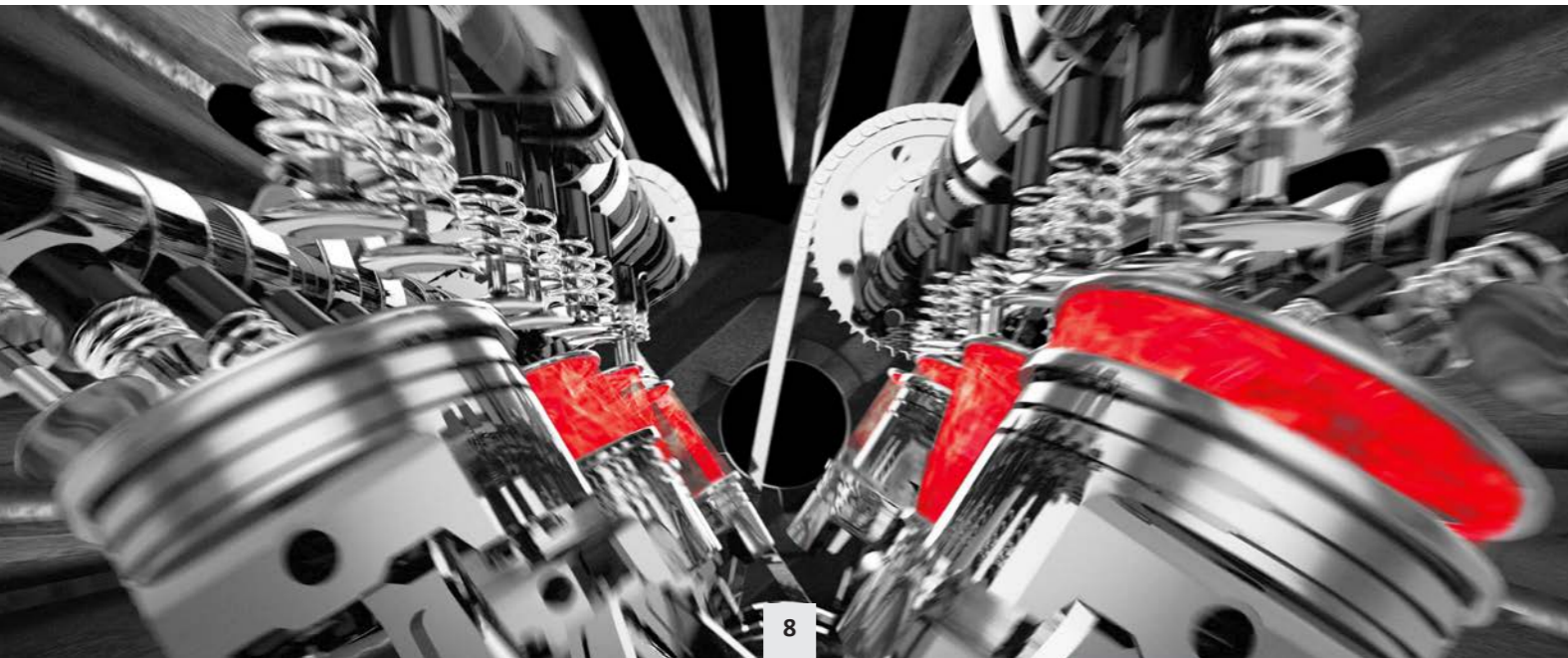
HIGH-PERFORMANCE ENGINE OILS FOR EURO V AND OLDER COMMERCIAL VEHICLES INCLUDING MIXED VEHICLE FLEETS

MOL DYNAMIC SYNT DIESEL SERIES

- ▶ Especially recommended for vehicles with Euro III EGR regulation and an SCR system, with Euro IV and V standard classification without DPF.
- ▶ Its synthetic, semi-synthetic composition offers extra-long drain intervals.
- ▶ Prevents sludge and deposit formation to ensure extended engine life.

MOL DYNAMIC TRANSIT SERIES

- ▶ Universal engine oil for commercial and passenger vehicles. Particularly recommended for mixed vehicle fleets, Euro IV and Euro V classification or older commercial vehicles without particle filter.
- ▶ Ensures permanent piston and combustion chamber cleanliness, enabling the best use of engine performance.
- ▶ Enhanced corrosion protection to ensure extended engine life.



SPECIFICATIONS AND APPROVALS

	MOL Dynamic Mistral 5W-20	MOL Dynamic Mistral FA 5W-30	MOL Dynamic Mistral XTS 5W-30	MOL Dynamic Mistral XT 5W-30	MOL Dynamic Mistral NG 10W-30	MOL Dynamic Mistral NG 10W-40	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 Synt Diesel 5W-30	MOL Dynamic Synt Diesel 10W-40	MOL Dynamic Synt Diesel E4 10W-40	MOL Dynamic Transit 10W-30	MOL Dynamic Transit 10W-40	MOL Dynamic Transit 15W-40	MOL Dynamic Transit 20W-50
ACEA			E6 E9	E6 E7 E9 E11	E7 E8 E11	E7 E8 E11	E4 E6 E7 E9	E9	E9	E7 E9	E4 E7	E4 E7	E4 E7	E7	E7	E7	E7
API	FA-4	CK-4	CK-4	CK-4	CK-4	CK-4	CI-4	CK-4	CK-4	CK-4	CF	CF	CI-4	CI-4	CI-4	CI-4	CH-4
CATERPILLAR		ECF-3	ECF-3	ECF-3	ECF-3		ECF-1a ECF-2 ECF-3	ECF-1a ECF-2 ECF-3	ECF-2 ECF-3					ECF-2	ECF-2	ECF-2	ECF-1a
CUMMINS	CES 20078	CES 20086	CES 20086	CES 20086 CES 20092	CES 20086	CES 20077	CES 20086	CES 20081 CES 20086	CES 20076 CES 20077 CES 20081 CES 20086	CES 20077	CES 20072	CES 20078	CES 20077 CES 20078	CES 20076 CES 20077 CES 20078			
DAF		X	Extended Drain				X				X						
DDC	93K223	93K222	93K222	93K222	93K222		93K222	93K218	93K218		2000/ 4000				93K215		
DEUTZ		DQC IV-18LA	DQC IV-18LA	DQC IV-18LA	DQC IV-18LA	DQC IV-18LA	DQC III-10LA	DQC III-10LA	DQC III-10LA	DQC IV-10	DQC III-10	DQC IV-10	DQC III-10	DQC III-10	DQC III-18		
FORD			WWS-M2C113-A1				WWS-M2C171-F1	WWS-M2C171-F1	WWS-M2C171-F1								
GLOBAL														DHD-1	DHD-1	DHD-1	
IVECO								18-1804 TLE9		18-1804FE							
JASO	DH-2		DH-2	DH-2	DH-2	DH-2	DH-2	DH-2	DH-2								
MACK		EO-S-4.5	EO-S-4.5	EO-S-4.5	EO-S-4.5	EO-N	EO-S-4.5	EO-S-4.5	EO-S-4.5	EO-N	EO-N	EO-N	EO-M P EO-N	EO-M P EO-N	EO-M P EO-N		
MAN	M 3977	M 3677 M 3777	M 3677 M 3777	M 3775	M 3775	M 3271-1 M 3477	M 3575 M 3775	M 3575	M 3575 M 3275	M 3277	M 3277	M 3277	M 3275	M 3275-1	M 3275-1	M 3275-1	
MB	DTRF 15C130 (ex MB 228.61)	DTRF 15C110 (ex MB 228.51)	DTRF 15C110 (ex MB 228.51)	DTRF 15C110 (ex MB 228.51)	DTRF 15C110 (ex MB 228.51)	DTRF 15C110 (ex MB 228.51)	DTRF 15C100 (ex MB 228.31)	DTRF 15C100 (ex MB 228.31)	DTRF 15C100 (ex MB 228.31)	DTRF 15B120 (ex MB 228.5)	DTRF 15B120 (ex MB 228.5)	DTRF 15B120 (ex MB 228.5)	DTRF 15B110 (ex MB 228.3)	DTRF 15B110 (ex MB 228.3)	DTRF 15B110 (ex MB 228.3)	DTRF 15B110 (ex MB 228.3)	
MTU			Type 3.1	Type 3.1	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	RLD-3	RLD-3	RLD-3	RLD-2	RLD-3	RLD-4	RLD-3	RLD-2	RLD-2 RXD	RLD-2 RXD	RLD-2	RLD-2	RLD-2		
SCANIA	LDF-5	LDF-4	LDF-4							LDF-3	LDF-3	LDF-3					
TATRA						TDS 40/16					TDS 40/16			TDS 30/12	TDS 30/12		
TEDOM										258-4							
VOLVO		VDS-4.5	VDS-4.5	VDS-4.5	VDS-4.5	VDS-3	VDS-4.5	VDS-4.5	VDS-4.5	VDS-3	VDS-3	VDS-3	VDS-3	VDS-3	VDS-3	VDS	

PROVEN TO PROVIDE 1.4% FUEL SAVING

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 with use of our fuel-saving MOL Dynamic Mistral XT 5W-30 engine oil!

BASE DATA/YEAR/VEHICLE

Annual run:	120,000 km
Fuel consumption:	27 l/100 km
Fuel price*:	1.6 EUR/l*
Oil change interval:	60,000 km
Lubricant fill:	35 l + 8 l refilling
Lubricant need:	86 l
Lubricant price difference**:	3.24 EUR/l

(MOL Dynamic Mistral XT 5W-30 vs standard 15W-40 engine oil)

ANNUAL LUBRICANT AND FUEL COST

With Standard 15W-40 engine oil:

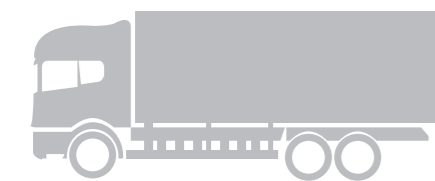
52,034 EUR

With MOL Dynamic Mistral XT 5W-30 or Synt Diesel 5W-30 engine oil:

51,586 EUR

ANNUAL SAVING

Per truck:



447 EUR

In the case of **50** truck fleet



22,356 EUR

*Monthly average net price, Hungary, July 2023 - February 2024, Source: Hungariann Tax and Customs Administration
 ** Estimated average net price in Hungary, July 2023 - February 2024
 The prices in Euro are calculated on the basis of July 2023 - February 2024 average exchange rates, source: MNB (the Central Bank of Hungary)

MOL GEAR OILS AND TRANSMISSION FLUIDS

Our high-performance gear oils ensure efficient, reliable operation and improved part lifetimes.



HIGH PERFORMANCE
 Reliable lubricating film under heavy load and high temperature.



LONG GEAR LIFETIME
 Efficient wear protection, less maintenance required.



SUITABLE EVEN UNDER SEVERE OPERATING CONDITIONS
 Outstanding shear stability even under heavy load and in a wide temperature range.



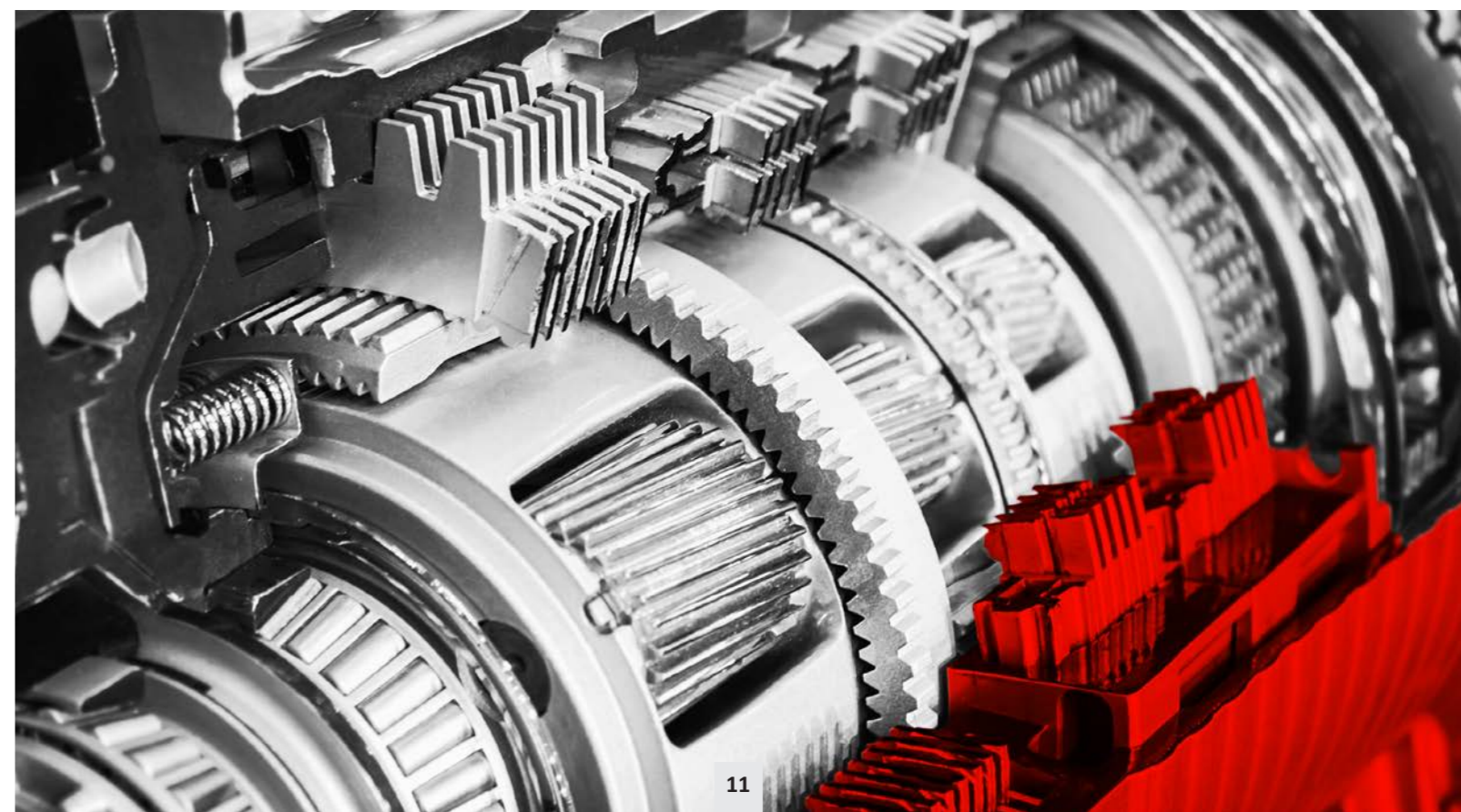
PERFECT FOR SHOCK LOADS TOO
 Outstanding load-carrying capability, anti-seizure protection.



LONG OIL CHANGE INTERVAL
 Lower operating costs and environmental impact.



PRECISE AND NOISELESS GEAR SWITCHING
 Convenient and economical operation.



MOL GEAR OILS

FOR MANUAL TRANSMISSIONS

MOL HYKOMOL SYNTRANS SERIES

- ▶ Synthetic and fuel-saving gear oils for the manual and automated manual transmissions of state-of-the-art commercial vehicles.
- ▶ Protects against sediments to provide effective cooling.

MOL HYKOMOL 80W

- ▶ Mineral gear oil for lubricating medium-load gearboxes
- ▶ Has several OEM approvals, thus ideal also for mixed fleets.

FOR DIFFERENTIAL GEARS

MOL HYKOMOL ZF 80W-90

- ▶ High-performance gear oil with several ZF approvals.
- ▶ Recommended primarily for lubricating high-load, differential gears with hypoid offset.

MOL HYKOMOL LS SERIES

- ▶ Special gear oil with limited slip properties.
- ▶ Ideal for lubricating self-locking differential gears.

FOR AUTOMATIC TRANSMISSIONS

MOL ATF SYNT 3H

- ▶ Top-quality synthetic oil for lubricating the automatic transmissions of buses and communal vehicles.
- ▶ Can be used in ZF and Voith transmissions with long drain period.

MOL ATF

- ▶ Transmission fluid recommended for hydraulic and servo systems of commercial vehicles.
- ▶ Ensures reliable operation in a wide temperature range.

MOL HYKOMOL TRANS 80W-90

- ▶ Mineral gear oil for manual and automated manual transmissions.
- ▶ Long synchronizing ring service life expectation, even subject to efficient EP action.

MOL HYKOMOL SERIES

- ▶ General-purpose mineral gear oil for lubricating transmissions and drives
- ▶ Ensures reliable lubrication.

MOL HYKOMOL K SERIES

- ▶ Recommended for high-load gear drives and differential gears.
- ▶ Uses heavy EP additives, its load-carrying features reduce the risk of seizure.

MOL ATF 295

- ▶ Top-quality synthetic oil for lubricating the automatic transmissions of buses and communal vehicles.
- ▶ Can be used in Allison and ZF transmissions with long drain period.

FOR LUBRICATING THE ENTIRE DRIVELINE

MOL HYKOMOL TDL 75W-90

- ▶ Synthetic gear oil applicable to lubricate the entire driveline due to its special composition.
- ▶ Ensures outstanding and continuous wear protection, even under extra-long oil change periods.

MOL HYKOMOL SYNT 75W-90

- ▶ Semi-synthetic gear oil for transmissions and differential gears alike.
- ▶ Allows easy start, even at low temperatures, and protects equipment against damage at high temperatures.

SPECIFICATIONS AND APPROVALS

	MOL HYKOMOL TDL 75W-90	MOL HYKOMOL SYNTRANS 75W-80	MOL HYKOMOL SYNTRANS 75W-90	MOL HYKOMOL SYNT 75W-90	MOL HYKOMOL TRANS 80W-90	MOL HYKOMOL 80W	MOL HYKOMOL 80W-90	MOL HYKOMOL ZF 80W-90	MOL HYKOMOL K 80W-90	MOL HYKOMOL K 80W/140	MOL HYKOMOL K 85W-90	MOL HYKOMOL LS 85W-90
API	GL-4 GL-5 MT-1	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	MIL-L-2105D
ARVIN MERITOR	0-76-N											
DAF	X	X										
EATON		X										
FORD											5Q-M2C9002-AA	
IVECO	18-1805 category RAS I.	X										
MACK	GO-J									GO-J		
MAN	341 Typ Z2 342 Typ S1	341 Typ Z4 341 Typ E3			341 Typ E1	341 Typ E1		342 Typ M-2				342 Typ M-1
MB	DTRF 12B140 (ex MB 235.8)		DTRF 13B110 (ex MB 235.11)		DTRF 13B100 (ex MB 235.1)	DTRF 13B100 (ex MB 235.1)						DTRF 12B100 (ex MB 235.0)
RENAULT		X										
SAE	J2360									J2360		
SCANIA	STO 1:0; STO 2:0 AFS									STO 1:0		
TATRA			TDS 80/32	TDS 80/32				TDS 80/32				
VOLVO	97312	97307										97310
ZF (TE-ML)	02B 04G 05A 05B 07A 12B 12L 12N 16B 16F 17B 19B 19C 21A 21B	01L 02L 08 16K	08	08 07A 17B	08 17A 19A	06L 08 16A 17A 19A 19C		05A 07A 12E 16B 17B 19B 21A	07A 08		07A 16B 16C 17B 19B 21A	05C 12C 16E 21C
DETROIT DIESEL	DFS 93K219.01											

MOL LUBRICATING GREASES

Our lubricating greases, suitable for a wide range of applications, ensure extended lifetime and reliable wear protection over a long period of time.



HIGH OPERATING RELIABILITY

Excellent wear protection, even under changing conditions.



EXCELLENT MACHINE PROTECTION

Its load-carrying capacity ensures long machine lifetime and reduced maintenance costs.



APPROPRIATE LUBRICATION EVEN UNDER DYNAMIC LOAD
Excellent mechanical stability, longer life.



WATER RESISTANCE

Excellent protection against corrosion and water washing even in wet, humid environments.

MOL FAVORIT 2

- ▶ Universal multi-purpose lubricating grease, ideal for the lubrication of the wheel bearings of heavy vehicles.
- ▶ Ensures good lubrication for a long time, even under vibrations and extreme climatic conditions, due to its mechanical stability.
- ▶ Its excellent adhesion properties and water resistance ensure protection against corrosion.

MOL LITON LT 2EP

- ▶ Universal multi-purpose lubricating grease recommended for individual or central lubricating systems with normal operating temperatures for the lubrication of sliding and rolling bearings.
- ▶ Ensures excellent lubrication at low temperatures due to its favourable frictional properties.
- ▶ Its excellent load-carrying capacity, corrosion and wear protection features ensure long machine life and reduced maintenance costs.

MOL LITON 00

- ▶ Ideal for central lubricating systems.
- ▶ Due to its synthetic composition, it provides excellent protection against oxidation, corrosion and wear, extending component part lifetime.
- ▶ Retains extra-ordinary pumpability, even in extreme cold, ensures high operating reliability.

MOL LITON 2M

- ▶ An excellent choice for individual lubrication systems, to be used at lubricated places exposed to dynamic load, for the lubrication of sliding chassis, bearings, joints, and other moving mechanisms.
- ▶ Protects against seizure, even under heavy loads and at low speeds.
- ▶ Ensures adequate corrosion protection, even in wet environments due to its molybdenum disulphide content.

MOL HYDRAULIC OILS

Due to their carefully selected base oils and state-of-the-art additive systems, MOL hydraulic oils ensure reliable operation and long equipment life, reducing maintenance costs if used.



OUTSTANDING WEAR PROTECTION

Also suitable for high-pressure and high pump speed systems.



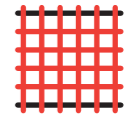
EXTRA CLEANNESS

Ensure seizure-free valve operation, reduce downtimes.



LOW FOAMING

Eliminate failures arising from the unsteady operation of working cylinders, thereby ensuring efficient operation.



OUTSTANDING FILTRATION PROPERTIES

No filter clogging, even in the presence of humidity.

MOL HYDRO PRIME HV ZF SERIES

- ▶ Three times* longer service life can be achieved.
- ▶ Offers excellent hydraulic system efficiency and energy savings of four per cent*.
- ▶ Ensures excellent wear protection and safe operation even at extra peak loads of high performance equipment.

Bosch Rexroth Fluid Rating List RDE 90245 • Parker Denison HF-1/ HF-2 • Parker Denison HF-0 • Eaton E-FDGN-TB002-E • ARBURG • ISO-L-HV • ISO 11158 HV • DIN 51524-3 (HVL) • AIST (US Steel) 127 • SAE MS1004 Type HV • General Motors LS2 LH-03-1-00 • Cincinnati Lamb P-70 (Fives Cincinnati) • KraussMaffei Hydraulic Oil

*Compared to the MOL Hydro HM line, the available savings depend on the application and operating conditions.

MOL HYDRO HV SERIES

- ▶ Excellent for outdoor use in hydraulic systems operating in wide temperature ranges.
- ▶ Reliable operation, even at extremely low temperatures.

ISO 11158 HV • ISO-L-HV • DIN 51524-3 (HVL) • Parker Hannifin (Denison) HF-0/HF-1/HF-2 • SAE MS1004 Type HV • AFNOR NF-E-48603 (HV)

MOL HYDRO HME SERIES

- ▶ Long oil change interval transmission fluids for high-pressure systems.
- ▶ Delivers outstandingly high performance.

Bosch Rexroth Fluid Rating List RDE 90245 • Cincinnati Lamb P-68 (Fives Cincinnati) • Parker Denison HF-0 • Parker Denison HF-1/ HF-2 • ISO 11158 HM • ISO-L-HM • DIN 51524-2 (HLP) • DIN 51506 VDL • Eaton (Vickers) I-286-S • Eaton (Vickers) M-2950-S • General Motors LS2 LH-03-1-00 • SAE MS1004 Type HM • AFNOR NF-E-48603 HM • ENGEL • ARBURG

MOL BIOHYD S SERIES

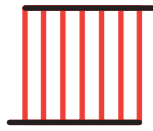


- ▶ Synthetic ester-based biodegradable hydraulic oils.
- ▶ Ideal lubricant for tail lift and self-loading crane trucks.
- ▶ Ensures reliable operation in a wide temperature range.

ISO 15380 HEES • ISO-L-HEES • VDMA 24568 HEES • S 155434

MOL EVOX ANTIFREEZE COOLANTS

Our coolants provide all-around protection for the engine and the cooling system. Their lifetime is more than 3 times longer than that of conventional coolants, which allows longer change intervals and therefore more cost-efficient operation.



LONG PART LIFETIME

Protection against cooling system corrosion and deposit formation.



PROTECTION AGAINST FREEZING
Prevent the freezing of antifreeze coolants down to -38 °C*.

* For 1:1 dilution ratio.



PROTECTION AGAINST OVERHEATING
Perfect heat rejection, even under extreme conditions.



EXCELLENT PART COMPATIBILITY
They do not damage vehicles' rubber and plastic parts.

MOL EVOX EVO CONCENTRATE AND READY -35

► Coolant with organic additives for state-of-the-art vehicles.

AFNOR R-15-601 • ASTM D 3306 • BMW LC 87, LC 97, LC 18 • BS 6580:2010 • Chrysler MS-7170 • DTFR 29C120 (ex. MB 325.5) • Fiat 9.55523 • Ford ESD-M97B49-A • Opel-GM GME L1301 • Toyota 1WW/2WW Engines • Volvo Cars 128 6083/002 • VW G12 Evo (TL774-L) • VW G12++ (TL 774-G) • VW G13 (TL 774-J)

MOL EVOX EXTRA CONCENTRATE AND READY -35

► Coolant produced with hybrid technology for the latest and older vehicles.

AFNOR R-15-601 • ASTM D 3306 • BS 6580:2010 • CASE JIC-501 • Cummins 85T8-2 • Deutz DQC CA-14 • DTFR 29C120 (ex. MB 325.5) • Ford ESD-M97B49-A • Iveco 18-1830 • MAN 324 Typ NF • MAN 324 Typ Si-OAT • MAN 324 NF • MTU MTL 5048 • MWM 0199-99-2091/12 • Volvo Construction 128 6083/002 • Volvo Trucks 128 6083/002 • VW G11 (TL 774-L)

BRAKE FLUIDS AND ADBLUE®

BRAKE FLUIDS

Our high-performance synthetic hydrostatic fluids (brake fluids) with a high boiling point are ideal for hydraulically operated clutches. Ensure reliable operation and extra-long life.

MOL DOT 4+

► Recommended for systems with at least 260°C dry and 160°C wet boiling point.

MOL DOT 5.1

► Ideal for systems with at least 260°C dry and 180°C wet boiling point.

ADBLUE®

NO_x-reducing additive with outstanding purity produced under strict control, made to DIN 70070, ISO 22241-1;2006 specifications. Its use guarantees the reliable operation and long life of SCR systems.

► For use in vehicles with Euro IV, V and VI environmental standard classifications.



SERVICES

MOL 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.



MOL 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.

MOL LUBTECH - 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!



MOL LUBSHARE - TRAINING



The expertise and practical experience of our specialists are also available for you.

To facilitate the implementation of an efficient lubrication maintenance practice, you can become familiar with the latest lubrication management techniques from a practical perspective. Upon request, we also deliver on-site training tailored to your needs.

OUR PARTNERS WHO HAVE SUCCESSFULLY APPLIED LUBCHECK OIL DIAGNOSTICS

For Volánbusz Ltd. (the Hungarian IC and long-distance coach service operator) reliable operation and high coach availability are fundamental requirements; therefore, the company checks the condition of its vehicles on an ongoing basis using oil diagnostics. Based on oil analysis results it was possible to prevent vehicle failure and costly repairs in several cases.



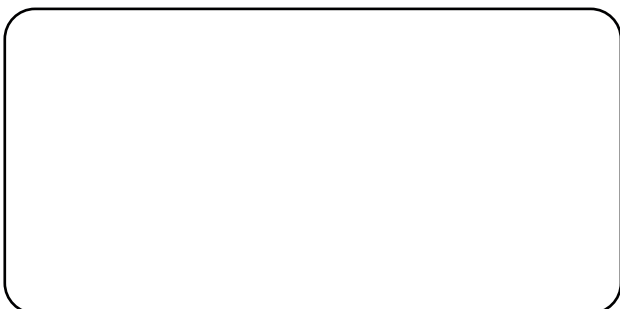
In the Eastern operating region of Volánbusz Ltd., the sudden increase of wear metal and fuel content was observed in an IKARUS/C56 DETROIT DIESEL engine. Although the operating conditions of the vehicle manifested no irregularity, the engine was disassembled on the recommendation of MOL experts. It was discovered that the bearing-mounted rollers of the valve rocker were seized and worn to a „cubic shape”, and the defect prompted immediate repair. If this issue had not been detected at this stage, the problem could have been far more serious.

In the Western operating region of the company, an air-filter problem was detected in time in a KRAVTEX Credo BN 12 engine. In the oil, the Si, Al, soot and wear metal contents had increased suddenly. The vehicles were checked and repaired based on the oil diagnostics result and dust infiltration was eliminated to prevent a potentially imminent more significant failure so the vehicle could continue to perform its task reliably.



- ▶ **MOL LUBCHECK**
OIL AND MACHINE DIAGNOSTICS
- ▶ **MOL COOLCHECK**
COOLANT DIAGNOSTICS
- ▶ **MOL LUBTECH**
LUBRICATION TECHNOLOGY CONSULTING
- ▶ **MOL LUBSHARE**
TRAINING

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