



MOL AGRICULTURAL LUBRICANTS AND LUBRICATION SOLUTIONS

SOLID BACKGROUND FOR EFFICIENT AND RELIABLE OPERATIONS

mol.hu

RELIABLE OPERATIONS EVEN UNDER VERY SEVERE CONDITIONS



Agricultural machines must always operate reliably, even under heavy load, as just one day of downtime may cause great damage. To ensure the uninterrupted operation of farms and agricultural holdings the proper condition and maintenance of machines is vital — and lubricants play a key role in their efficiency.

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

Supported by more than 110 years of experience, we continuously develop our lubricants so that our products, as well as facilitating reliability, also contribute significantly to the reduction of operational costs. Due to their state-of-the-art additive system, MOL lubricants ensure a high-level of machine protection while considering OEM requirements to the fullest. Our broad portfolio includes fuel-saving products and products that meet the strictest emission requirements.

MOL AGRICULTURAL LUBRICANTS

MOL agricultural lubricants, and their related lubrication technology services, increase machine performance, service life and availability, and also reduce operational costs.



GUARANTEED RELIABILITY

- ▶ They ensure high availability and reliable operation.
- ▶ They offer outstanding protection, even under heavy load, thus fewer breakdowns can be expected.
- ▶ Our products fully comply with the requirements of the latest agricultural machines, which makes them excellent alternatives to OEM oils, even within the warranty period. Their quality is confirmed by ongoing operating tests.



LOWER OPERATING COSTS

- ▶ Maintenance costs may be reduced by as much as 15% due to their outstanding part protection features.
- ▶ Thanks to longer oil changes and relubrication intervals permitted by our products, lubricant consumption may decrease by even 20%.
- ▶ Productivity and efficiency increase in proportion to decreasing numbers of unexpected breakdowns and maintenance-related downtimes.



HIGH PERFORMANCE

Our lubricants allow you to make maximum use of equipment performance.

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 AGRICULTURAL LUBRICANTS FOR ALL LUBRICATED PARTS

ENGINE OILS

MOL Dynamic Mistral XT 5W-30
MOL Dynamic Mistral 10W-40
MOL Farm Protect E9 15W-40
MOL Farm Protect 10W-40, 15W-40

MULTI-PURPOSE TRACTOR OILS

MOL Farm NH Ultra
MOL Farm JD
MOL Farm STOU 10W-30, 10W-40, 15W-30

GEAR OILS

MOL Hykomol LS series
MOL Hykomol series
MOL Hykomol K series

HYDRAULIC OILS

MOL Hydro HV series
MOL Hydro HVD 46
MOL Hydro HM series
MOL Biohyd S series

LUBRICATING GREASES

MOL Favorit 2
MOL Farm Grease 2MG
MOL Grafit LT 2EP
MOL Liton LT 2EP

ANTIFREEZE COOLANTS

EVOX Premium, concentrate
EVOX Extra ready and concentrate

ADBLUE

BRAKE FLUIDS

MOL DOT 4+
MOL DOT 5.1



MOL ENGINE OILS

Due to their outstanding wear protection, the high quality MOL 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 equipment manufacturers and fully comply with the strictest performance level requirements. Our synthetic engine oils ensure fuel-efficient operation and extra-long oil lifetime.



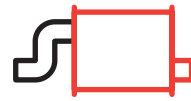
EXCELLENT ENGINE PROTECTION

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



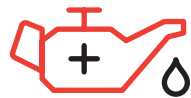
HIGH PERFORMANCE EVEN UNDER EXTRA LOAD

Excellent protection, even under high shear stress and load, ensuring 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



ENVIRONMENTALLY FRIENDLY ENGINE OILS FOR STATE-OF-THE-ART STAGE V ENGINES

MOL DYNAMIC MISTRAL XT 5W-30 MOL DYNAMIC MISTRAL 10W-40

- ▶ Low ash content, thus perfect for use in engines fitted with diesel particulate filter (DPF), diesel oxidation catalyst (DOC), selective catalytic reduction (SCR) system using the AdBlue additive, or exhaust gas recirculation (EGR) technique, in compliance with the Stage V emission regulation.
- ▶ Synthetic composition enabling fuel-saving operation.
- ▶ Suitable for extra-long oil change periods.

MOL FARM PROTECT E9 15W-40

- ▶ Reduced ash content, ideal for tractors, combines and self-propelled machines equipped with diesel particulate filter (DPF), diesel oxidation catalyst (DOC), selective catalytic reduction (SCR) system using AdBlue additive or exhaust gas recirculation (EGR) technique.
- ▶ Long oil change period resulting in reduced lubricant use.
- ▶ Its extra high performance level guarantees long engine life.

PREMIUM ENGINE OILS FOR MODERN STAGE IV AND OLDER ENGINES

MOL FARM PROTECT 10W-40 AND 15W-40

- ▶ Can be used in tractors, combines and self-propelled machines operating under difficult working conditions.
- ▶ Minimise engine wear and guarantee long engine service life.
- ▶ Require fewer drains due to their long oil drain period.

SPECIFICATIONS AND APPROVALS

	MOL DYNAMIC MISTRAL XT 5W-30	MOL DYNAMIC MISTRAL 10W-40	MOL FARM PROTECT E9 15W-40	MOL FARM PROTECT 10W-40	MOL FARM PROTECT 15W-40
ACEA	E6, E9, E7	E6, E9, E7	E9, E7	E7	E7
API	CK-4	CI-4	CK-4, CJ-4/SM	CI-4, SL	CI-4/SL
Caterpillar	ECF-3		ECF-3, ECF-2		ECF-2
Cummins	CES 20086	CES 20077, CES 20076	CES 20086, CES 20081, CES 20077	CES 20078, CES 20077	
Deutz	DQC IV-10LA	DQC III-10LA, DQC IV-10LA	DQC III-10LA	DQC III-10	DQC II-10
MAN	M 3677, M 3777	M 3271-1	M 3575, M 3275	M 3275-1	M 3275-1
MB	228.51	228.51	228.31	228.3	228.3
Tatra		TDS 40/16		TDS 30/12	TDS 30/12
Renault	RLD-4	RLD-2	RLD-3	RLD-2	RLD-2
VOLVO	VDS-4.5	VDS-3	VDS-3, VDS-4.5	VDS-3	VDS-3
Zetor					Zetor
Allison			C-4		
DDC			93K218	93K215	
MTU		Type 3.1	Type 2.1	Type 2	Type 2
MACK		EO-N	EO-S-4.5	EO-M Premium Plus, EO-N	EO-M Plus, EO-N
Global				DHD-1	DHD-1
KAMAZ					KAMAZ
JASO	DH-2	DH-2			

ENGINE PROTECTION PROVEN FOR 500 HOURS OF OPERATION

MOL FARM PROTECT E9 15W-40 / 500 HOURS OF OPERATION TESTING

Our MOL Farm Protect E9 15W-40 high performance engine oil was subjected to a real life 500 hour operational test to prove its continuous outstanding engine protection and completely fulfills equipment manufacturer requirements and represents an excellent option for manufacturers' brands.

- OBJECTIVE:** Testing performance and engine protection provided by the engine oil for 500 hours of operation
- ENGINES SELECTED FOR THE TESTS:** Three John Deere tractors in similar condition, but of different types and performance (JD8330, JD8120, JD6530)
- ENGINE REQUIREMENTS:** For the John Deere 8330 and 8120 types the maximum oil change interval was 375 hours, while the John Deere 6530 operated for 500 hours as specified by the equipment manufacturer
- DURATION:** 500 hours of operation
- CONDITIONS OF TESTING:** The tests were carried out in real life operating conditions. The machines were loaded as usual in everyday agricultural operations, which means periodic heavy loading: 72% ploughing, 21% field haulage, 6% road haulage and 1% other activities
- SAMPLING:** Oil samples were taken every 100 hours of operation to check engine oil operating condition
- SAMPLE ANALYSES:** The samples were analysed and results evaluated by our internationally acknowledged MOL LubCheck laboratory.

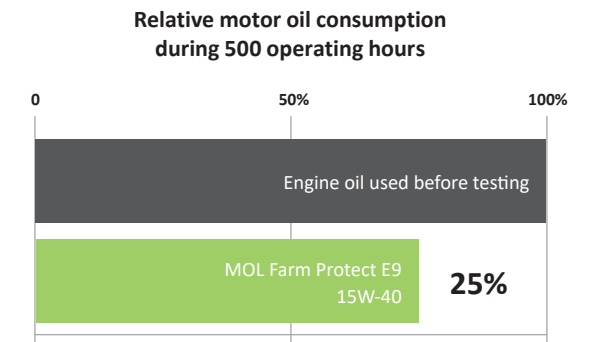


CONVINCING RESULTS

The 500 hours test described proved that the MOL Farm Protect E9 15W-40 demonstrated outstanding engine protection and provided maximum engine life thus contributing to more efficient farming operations.

OUTSTANDING ENGINE PROTECTION - LOWER ENGINE OIL CONSUMPTION – EVEN UP TO 25%

The test proved that using MOL Farm Protect E9 15W-40 engine oil can decrease oil consumption by **even up to 25% in certain tractor types.**

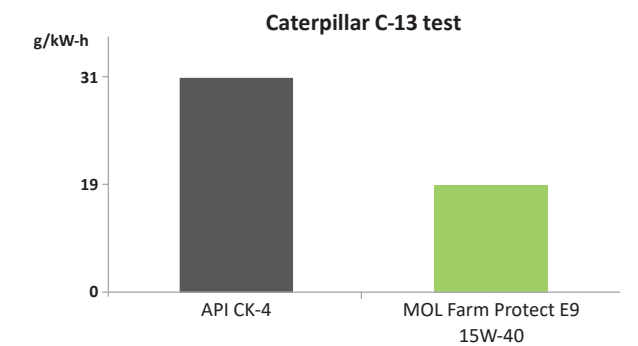


EXCEEDING INTERNATIONAL REQUIREMENTS - OIL CONSUMPTION REDUCED BY MORE THAN 1/3

This oil exceeds API CK-4 specification requirements.*

Ensures 38% less oil consumption than the maximum value allowed by the API CK-4 specification.

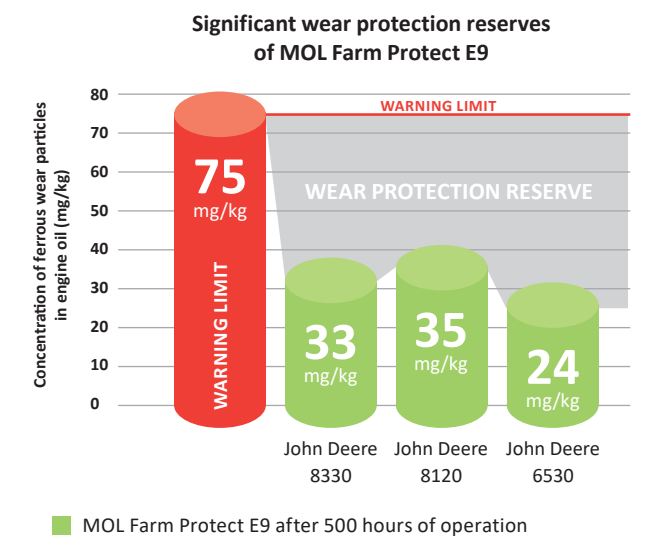
* Caterpillar C-13 test



MAXIMUM ENGINE LIFE - EVEN UP TO 15% LOWER MAINTENANCE COSTS

During the 500 hours of testing, concentrations of ferrous and non-ferrous wear particles remained low; not even close to limits generally accepted in oil diagnostics.

Thanks to strong wear protection, engine maintenance costs can be decreased by up to 15%.



MULTI-PURPOSE TRACTOR OILS

The high-performance MOL Farm universal lubricating oils guarantee long machine service life. They ensure the reliable operation of the driving gear and hydraulic systems of modern tractors and agricultural machines.



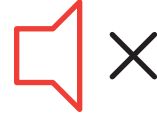
LONG MACHINE SERVICE LIFE

Excellent corrosion and wear protection, less maintenance.



HIGH PERFORMANCE

High level of cleanliness in hydraulic systems and driving gears, too.



CHATTER-FREE AND NOISELESS OPERATION

Reliable wet brakes.



EASY COLD START

Quick lubrication, so that intensive wear may be avoided.

MOL FARM GEAR AND HYDRAULIC OILS FOR TRACTORS (UTTO)

MOL FARM NH ULTRA

- ▶ Ideal for lubrication of the Power-Shift and continuously variable (CVT, IVT, CVX) transmissions, gears, oil immersed brakes and hydraulic systems of high-performance agricultural machines.
- ▶ Suitable for long drain intervals.

MOL FARM JD

- ▶ Totally meets John Deere machinery requirements.
- ▶ Ensures the cleanliness and efficient operation of the gear-hydraulic system.



MOL FARM STOU MULTI-PURPOSE TRACTOR OILS

Our MOL Farm STOU universal tractor oils — used as either engine oil, gear oil or hydraulic working fluid — ensures perfect protection and thus long service life for the engine, the driving gear, the hydraulic system and the wet brakes.

MOL FARM STOU 10W-30 AND 10W-40

- ▶ Its synthetic components ensure quick lubrication even at start.
- ▶ Generates a reliable, stable lubricating film and thus reduces part wear.

MOL FARM STOU 15W-30

- ▶ Applicable over a wide temperature range, ensures maximum protection even at high temperatures.
- ▶ Steady, uniform performance until the end of the oil drain period.

SPECIFICATIONS AND APPROVALS

	MOL FARM NH ULTRA	MOL FARM JD	MOL FARM STOU 10W-40	MOL FARM STOU 10W-30	MOL FARM STOU 15W-30
API	GL-4	GL-4	CG-4, GL-4	CG-4, GL-4	CG-4, GL-4
ACEA			E3	E3	E3
ALLISON	C4		C4	C4	C4
CATERPILLAR	TO-2		TO-2	TO-2	TO-2
CASE NEW HOLLAND	MAT3525				
DEUTZ-ALLIS	PF-821	PF-821			
FORD	ESN-M2C 134-D ESN-M2C 86C New Holland FNHA-2-C-201.00	New Holland ESN-M2C 86B	ESN-M2C 159-B/C	ESN-M2C 159-B/C	ESN-M2C 159-B/C
JI CASE	MS 1204, MS 1207, MS 1209	MS 1204			
JOHN DEERE	JDM J20C	JDM J20C, JDM J20A	JDM J20C, JDM J27	JDM J20C, JDM J27	JDM J20C, JDM J27
KUBOTA	UDT Fluid				
MASSEY FERGUSSON	M1145, M1143, M1135, 1127B	M1141, M1129A, M1127B	M1144, M1145	M1145, M1144	M1145, M1139, M1110
VOLVO	WB101	WB101			
WHITE FARM		Q-1826	Q-1826	Q-1826	Q-1826
ZF TE-ML			06B/06C/07B	06B/06C/07B	
EATON (VICKERS)	M-2950-S, I-280-S	M-2950-S, I-280-S	M-2950-S, I-280-S	M-2950-S, I-280-S	M-2950-S, I-280-S
NH	410B				
ZETOR	Zetor				
VALTRA	G2-08				

MOL GEAR OILS FOR TRANSMISSIONS AND DIFFERENTIALS

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



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



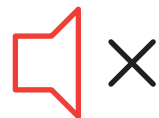
OUTSTANDING WEAR PROTECTION
Long gear lifetime, less maintenance required



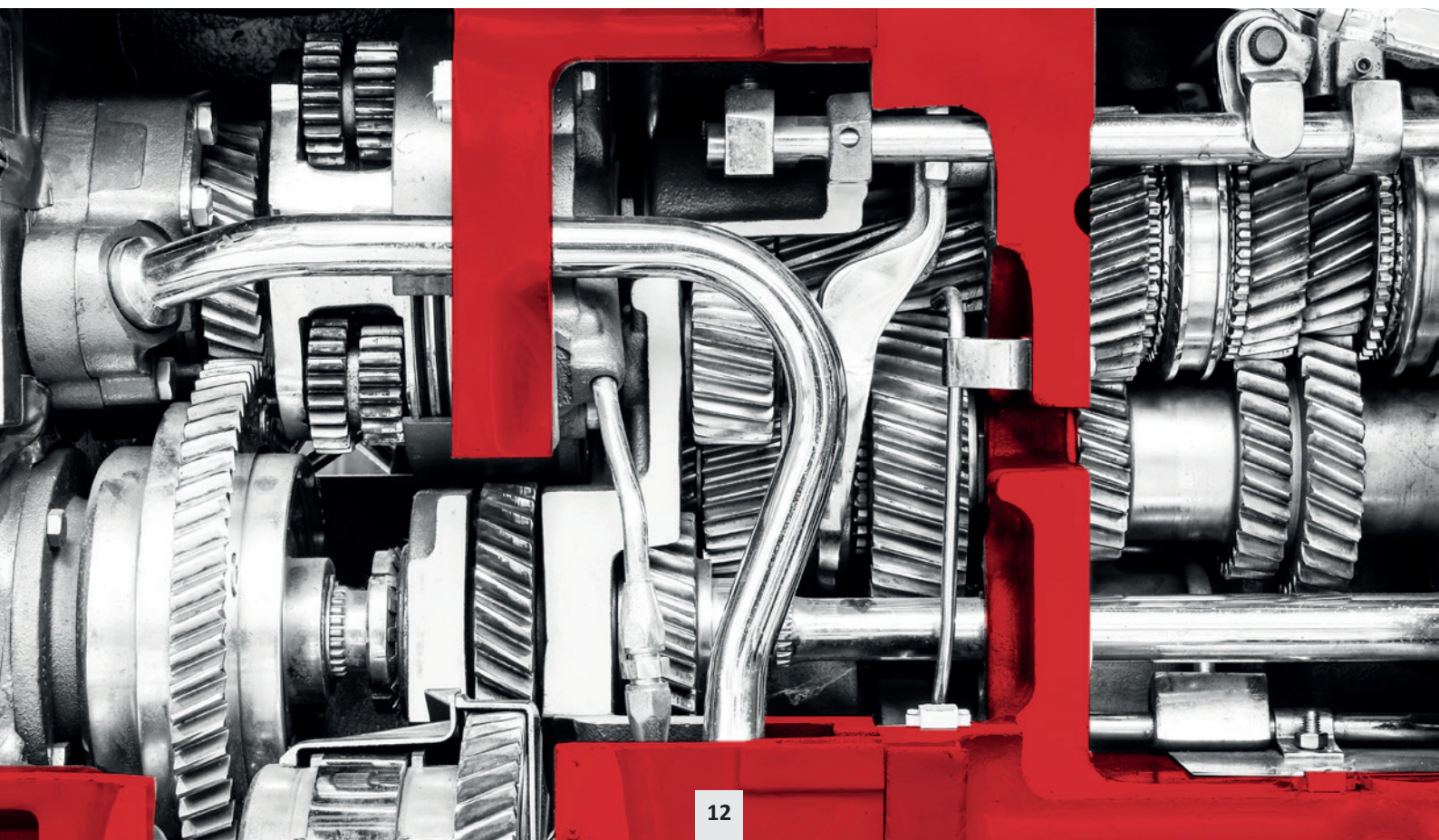
OUTSTANDING SHEAR STABILITY AND LOAD-CARRYING CAPACITY
Consistent, high performance even under difficult operating conditions, shock and high loads.



LONG OIL CHANGE INTERVAL
Lower operating costs and environmental impact



PRECISE AND NOISELESS GEAR SWITCHING
Convenient operation.



MOL HYKOMOL LS SERIES

- ▶ Developed for axles equipped with wet brake, limited-slip differentials, with special friction characteristics.
- ▶ Silent operation in a wide range of environmental temperatures

MOL HYKOMOL SERIES

- ▶ Gear oils suitable for lubricating gears and transmissions exposed to moderate load.
- ▶ Excellent oxidation stability, long oil service life even at high temperatures.

MOL HYKOMOL K SERIES

- ▶ Ideal for lubricating gears under heavy load, in particular differentials and wheel hub drives.
- ▶ Strong EP effect against seizure and wear, lower maintenance costs.

SPECIFICATIONS AND APPROVALS

	MOL HYKOMOL LS 90	MOL HYKOMOL LS 85W-90	MOL HYKOMOL K 80W-90	MOL HYKOMOL K 85W-90	MOL HYKOMOL K 80W-140	MOL HYKOMOL 90	MOL HYKOMOL 80W-90	MOL HYKOMOL 85W140
API	GL-5	GL-5	GL-5	GL-5	MT-1 GL-5	GL-4	GL-4	GL-4
MIL	MIL-L-2105D		MIL-L-2105D	MIL-L-2105D		MIL-L-2105	MIL-L-2105	MIL-L-2105
MAN	342 Typ M-1							
MB	235.0							
Zetor	Zetor							
ZF TE-ML	05C 12C 16E 21C			07A 16B 16C 17B 19B 21A	07A 08			
Volvo	97310							
Mack	Go-J							
SAE	J 2360							
Scania	STO 1:0							

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 and adhesion, 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

- ▶ Excellent lubricating grease for lubrication points under heavy load, e.g. wheel bearings.
- ▶ Lubricating grease with excellent adhesion properties, remains stable under vibration.
- ▶ Extremely long service life.

MOL GRAFIT LT 2EP

- ▶ Ensures reliable lubrication even under difficult operating conditions.
- ▶ Excellent choice for low speed bearings, joints and bolts subjected to dynamic loads, mainly due to its unique graphite content.

MOL FARM GREASE 2MG

- ▶ Especially recommended for agricultural use, in particular for lubrication points subject to high seizure risk due to its molybdenum disulphide and graphite content.
- ▶ Ideal for lubricating low-speed bearings, joints and bolts exposed to heavy load, primarily in individual lubrication systems.

MOL LITON LT 2EP

- ▶ Universal multi-purpose lubricating grease.
- ▶ For use in sliding and rolling bearings at normal operating temperatures and in central lubrication systems.
- ▶ Ensures excellent lubrication at low temperatures due to its favourable frictional properties.

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.



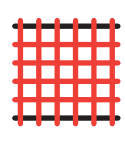
EXTRA CLEANNESS

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.



EXCELLENT WEAR PROTECTION

Long part-lifetime.

MOL HYDRO HV SERIES

- ▶ These multigrade hydraulic oils are excellent for outdoor use in hydraulic systems operating in wide temperature ranges.
- ▶ They permit long drain intervals.

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

MOL HYDRO HM SERIES

- ▶ Working fluids for hydraulic systems under normal thermal and mechanical loads.
- ▶ High performance, effective protection against corrosion.

ISO 11158 HM • ISO-L-HM, DIN 51524-2 (HLP) • Cincinnati Lamb P-70 • AFNOR NF-E-48603 (HM)

MOL HYDRO HVD 46

- ▶ Multigrade hydraulic oil with detergent effect that keeps the system clean.
- ▶ Especially recommended for hydraulic systems operating in a wet and dusty environment and under widely fluctuating temperature conditions.

ISO 11158 HV • DIN 51524-3 (HVLP) • DIN HLP-D • MAN N 698

MOL BIOHYD S SERIES

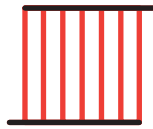


- ▶ Synthetic ester-based biodegradable hydraulic oils.
- ▶ Ensures reliable operation in a wide temperature range.

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

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.

EVOX PREMIUM CONCENTRATE

► Coolant with organic additives for state-of-the-art, high-load commercial vehicles.

ASTM D 4985 • ASTM D 6210 • ASTM D 3306 • BS 6580;2010 • Caterpillar GCM34 • Caterpillar 0199-99—2091/12 • CNH MAT 3624 • Liebherr MD1-36-130 • Deutz DQC CB-14 • Kobelco • Komatsu 07, 892 (2009) • Valtra • Claas • Foton Q-FPT 2313005 2013 • John Deere JDMH5 • MB 325.3 • MAN 324 Typ SNF • Mack 014 GS 17009 • DAF 74002 • Cummins CES 14603 • Cummins CES 14439 • Renault 41-01-001/-S Type D • Detroit Diesel Power Cool Plus • TEDOM • Volvo Trucks 128 6083/002

EVOX EXTRA READY AND CONCENTRATE

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

ASTM D 4985 • ASTM D 4656 • ASTM D 3306 • BS 6580;2010 • Caterpillar/Perkins • Case JIC-501 • Deutz DQC CA-14 • MB 325.0 • MAN 324 Typ NF • Iveco 18-1830 • Cummins 85T8-2 • Volvo Trucks 128 6083/002

BRAKE FLUIDS AND ADBLUE

BRAKE FLUIDS

High-performance synthetic working fluids with high boiling point for the hydraulic brake systems and clutches of tractors, machinery and vehicles. Strong moisture absorption capacity ensures reliable operation and long service 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

NOx-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.

► Recommended for use in diesel engines with Stage III, IV and V environmental classification.



MOL AGRICULTURAL LUBRICANTS FOR THE MOST ADVANCED AGRICULTURAL EQUIPMENT

MOL agricultural lubricants meet leading equipment manufacturer requirements and measure up to the most advanced agricultural equipment needs, so they are excellent options to replace OEM lubricants. For the most frequent brands, we recommend the use of our products listed below. OEM requirements may differ considerably by machine type. For precise and detailed lubrication advice, visit the MOL online lubricant advisor at mol.hu/lubricantadvisor or contact our expert on lubtechdesk@mol.hu.



TYPE	ENGINE	GEARBOX	HYDRAULIC SYSTEM	DIFFERENTIALS/ POWER TAKE OFFS	GREASES	COOLANTS
Belarus 952.3	MOL Farm Protect 15W-40	MOL Hykomol 80W-90	MOL Hydro HM 46	MOL Hykomol 80W-90	MOL Farm Grease 2MG MOL Liton LT 2EP	EVOX Extra concentrate
CASE Magnum 310 /2015-	MOL Dynamic Mistral 10W-40	MOL Farm NH Ultra	Joint system with gears	MOL Hykomol K 85W-140	MOL Favorit 2	EVOX Premium concentrate
Claas Arion 420 Quadrishift /2009-	MOL Farm Protect 15W-40	MOL Farm NH Ultra	Joint system with gears	MOL Hykomol LS 85W-90	MOL Liton LT 2EP	EVOX Premium concentrate
Deutz-Fahr Agrotion 420 TTV /2013-	MOL Farm Protect 15W-40	MOL Farm NH Ultra	MOL Farm NH Ultra	MOL Hykomol LS 85W-90	MOL Liton LT 2EP	EVOX Extra concentrate
Fendt Favorit 933 Vario Tier 4 /2014-	MOL Dynamic Mistral 10W-40	MOL Farm STOU 10W-40	MOL Farm STOU 10W-40	MOL Farm STOU 10W-40 / MOL Hykomol K 85W-90	MOL Liton LT 2EP	EVOX Premium concentrate
JCB 535-95 Stage IIIb/T4i	MOL Dynamic Mistral 10W-40	MOL Transfluid TO-4 SAE 30	MOL Hydro HM 32	MOL Farm NH Ultra	MOL Favorit 2	EVOX Premium concentrate
John Deere 6215 /2017-	MOL Farm Protect E9 15W-40	MOL Farm JD	Joint system with gears	MOL Farm JD	MOL Liton LT 2EP	EVOX Premium concentrate
Landini 135TDI Techno / Landpower T2 /2006-	MOL Farm Protect 15W-40	MOL Farm NH Ultra	Joint system with gears	MOL Farm NH Ultra MOL Hykomol K 80W-90	MOL Liton LT 2EP	EVOX Extra concentrate
Manitou MLT 735-120 /2013-	MOL Farm Protect E9 15W-40	MOL ATF Synt 3H	MOL Hydro HV 46	MOL Farm NH Ultra MOL Hykomol K 80W-90	MOL Farm Grease 2MG MOL Liton LT 2EP	EVOX Extra concentrate
Massey Ferguson MF 8670 Stage IIIb/T4i /2012-	MOL Farm Protect 10W-40	MOL Farm STOU 10W-40	MOL Farm STOU 10W-40	MOL Hykomol K 85W-90 / MOL Hykomol K 85W-140	MOL Liton LT 2EP	EVOX Extra concentrate
McCormick MTX185 /2003-	MOL Farm Protect 15W-40	MOL Farm NH Ultra	Joint system with gears	MOL Hykomol LS 85W-90 MOL Hykomol K 85W-140	MOL Liton LT 2EP	EVOX Extra concentrate
New Holland T5.110 Tier 4b /2015-	MOL Farm Protect E9 15W-40	MOL Farm NH Ultra	Joint system with gears	MOL Farm NH Ultra	MOL Liton LT 2EP	EVOX Premium concentrate
Same Silver 3 100 /2010-	MOL Farm Protect 15W-40	MOL Farm NH Ultra	Joint system with gears	MOL Hykomol LS 85W-90 MOL Farm NH Ultra	MOL Liton LT 2EP	EVOX Extra concentrate
Steyr 9105 MT /2008-	MOL Farm Protect 15W-40	MOL Farm STOU 10W-30	MOL Hydro HM 46	MOL Hykomol LS 85W-90	MOL Liton LT 2EP	EVOX Premium concentrate
Valtra T174e A /2014-	MOL Farm Protect E9 15W-40	MOL Farm NH Ultra	MOL Farm NH Ultra	MOL Hykomol LS 85W-90	MOL Liton LT 2EP	EVOX Premium concentrate
ZETOR PROXIMA HS 110 T4F /2015-	MOL Farm Protect E9 15W-40	MOL Farm NH Ultra	Joint system with gears	MOL Hykomol LS 85W-90	MOL Liton LT 2EP	EVOX Premium concentrate



MOL LUBRICANTS FOR GARDENING EQUIPMENT

Our lubricants for gardening machinery ensure maximum protection for machines and equipment operating at high rotation speeds and high temperatures.



HIGH PERFORMANCE

Stable lubricating film reduces harmful material deposition.



LONG MACHINE SERVICE LIFE

High wear protection even under intense load.



RELIABLE PROTECTION

Meet and in respect of most parameters outperform the lubricant requirements of leading gardening machinery OEMs.

GARDENING MACHINERY ENGINE OILS

MOL GARDEN 2T

- ▶ Two-stroke engine oil for gasoline-fuelled, mixture- or oil-injection lubricated small gardening machines.
- ▶ Especially recommended for Stihl and Husqvarna machines.

API TC+ • ISO-L-EGD

MOL GARDEN 4T 30/40

- ▶ Engine oil for lubricating the engine of four-stroke small gardening machines and power generators, for use from spring to autumn.
- ▶ Ideal for Briggs & Stratton and Tecumseh-type engines.

API SJ/CF

MOL GARDEN 4T 10W-30

- ▶ High performance engine oil for use all year round. Ensures easy cold start and high level engine protection for gardening machines and snow ploughs alike.
- ▶ Applicable in MTD, Briggs & Stratton, Honda, Stihl, Viking and Tecumseh engines.

API SL/CF • ACEA A3/B4

FOR SAWING MACHINES

MOL DYNAMIC FOREST

- ▶ Chain-lubricating oil for heavy-duty hand chainsaws ensuring reliable lubrication and long chain service life.
- ▶ Excellent for use in Stihl, Husqvarna, Partner, Makita and other machines.



OUR 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 agricultural machinery 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, equipments, identify starting problems and prevent expensive cumulative damage.



OUR PARTNERS WHO HAVE SUCCESSFULLY APPLIED LUBCHECK OIL DIAGNOSTICS

Bóly Zrt. and Dalmand Zrt. (member of the Bonafarm Group) are among the largest agricultural production companies in Hungary. In order to ensure the reliable operation and high availability of their machines under high load during key periods, both companies have implemented an oil-testing program that covers their entire fleet of machines. Within this framework, after every oil change, they send samples from the engine oil of their tractors and self-propelled machines to the MOL LubCheck Laboratory for oil diagnostic testing.



For a certain tractor type, the oil test showed signs of dust ingress, and the wear metal content of the oil sample was also increased. Dust and oil had formed an abrasive paste that had accelerated engine wear. Within a short while, dust and wear metal appeared in oil samples taken from several tractors of the same type.

In the LubCheck report, the oil diagnostics expert highlighted this malfunction. The maintenance specialists of the agricultural

company checked the air supply system of the tractors and observed that at a certain point a crack was formed on the connection pipe between the air filter and the inlet manifold. After checking the fleet's other tractors — none of which had displayed the defect — they concluded that the initial signs of damage could be observed in all of them. Thereupon the problematic part was replaced in every tractor and, as a result, costly engine overhaul were successfully avoided.

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 and equipment 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 and machinery!



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.

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

YOUR PARTNER:



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