



MOL COMPRESSOL COMPRESSOR OILS

CONTRIBUTING TO YOUR COST-EFFECTIVE
AND RELIABLE OPERATION

COST-EFFECTIVE AND RELIABLE OPERATION

Compressor oils have direct impact on the condition and lifetime of compressors and on their effective operation.

Based on our 100 years of experience in lubricant production and application technology, our compressor oil portfolio was developed focusing on users' needs, so our products offer extended drain intervals, reduced downtime, operational and energy cost savings and, furthermore, more reliable operation. MOL compressor oils meet leading equipment manufacturer requirements and therefore offer a reliable, high-quality option for replacement of OEM compressor oils.



OUTSTANDING WEAR AND CORROSION PROTECTION FOR LONG EQUIPMENT LIFE

MOL Compressol lubricants highly protect from the wear of moving machine elements and steel and non-ferrous metal parts, and resist the harmful effects of severe operating conditions – such as carbon residuals and corrosion. Due their high stability, they prevent rust and emulsion formation even in the presence of water – so they ensure longer compressor life, more reliable operation and less maintenance cost.



HIGH ENERGY EFFICIENCY

Effective lubricity results in reductions in friction and heat generation and maintains high energy efficiency in the compression process, which supports reducing operating costs. MOL compressor oil loss through the air supply system is negligible due to minimized oil carry-over. Besides, even during severe operational conditions, its low volatility and high shear stability help to reduce oil consumption, consequently saving money.



EXCELLENT HEAT, SLUDGE AND VARNISH CONTROL FOR MORE RELIABLE OPERATION

MOL Compressol oils help prevent the harmful effects of high operational heat. They decrease valve-related problems by reducing carbon deposit formation and minimizing ignition-promoting hot spots and explosions.



MAXIMUM PERFORMANCE

Thanks to their outstanding thermal and oxidation stability, they maintain their quality at high operating temperatures, thus guaranteeing maximum performance.



EFFECTIVE FOAM CONTROL FOR LONG OIL DRAINS

They offer consistent lubricating oil film and show low foaming tendency, so they provide long oil life and long-lasting performance, optimizing your operations and costs.



MOL COMPRESSOL COMPRESSOR OIL PORTFOLIO

MOL Compressor Oil Ranges	Features			Application					Benefits		
	Oil Type	Viscosity	Performance	Reciprocating	Rotary Screw	Rotary Vane	Stationary	Mobil	Service Interval**	Heavy Duty	
Compressol RS 32	Advanced synthetic (PAO) lubricants	ISO VG 32	ISO 6743-3 DAB, DAJ DIN 51506 VDL		✓	✓	✓	✓	extended	severe	Improved efficiency
Compressol RS 46		ISO VG 46			✓	✓	✓	✓	extended	severe	
Compressol RS 68		ISO VG 68			✓	✓	✓	✓	extended	severe	
Compressol R46 AL*	Premium mineral oil-based lubricants	ISO VG 46	DIN 51506 VDL ISO 6743-3 DAH	✓	✓	✓	✓	✓	normal	normal	High efficiency
Compressol R 46	Premium mineral oil-based lubricants with improved detergent effect	ISO VG 46	ISO 6743-3 DAH		✓	✓	✓	✓	normal	normal	Reliable protection Excellent cleaning effect
Compressol R 68		ISO VG 68			✓	✓	✓	✓	normal	normal	
Compressol Synt ES 100	Advanced synthetic (Ester) lubricants	ISO VG 100	ISO/DP 6521 DAB, DAH DIN 51506 VDL	✓		✓	✓	✓	extended	severe	Improved efficiency Reduced fire hazard
Compressol 68	Premium mineral-oil based lubricants	ISO VG 68	ISO 6743-3 DAB DIN 51506 VDL	✓			✓		normal	normal	Reliable protection
Compressol 100		ISO VG 100		✓			✓		normal	normal	
Compressol 150		ISO VG 150		✓			✓		normal	normal	
Compressol 220		ISO VG 220		✓			✓		normal	normal	
Specialties											
Food Comp 46	Advanced synthetic (PAO) lubricants	ISO VG 46	NSF H1 (142133)***		✓	✓	✓		extended	severe	For food and beverage industry
Food Comp 100		ISO VG 100	NSF H1 (142134)***	✓	✓	✓	✓		extended	severe	
Frigoil 46	Premium mineral-oil (naphthenic) based lubricants	ISO VG 46	ISO-L-DRA DIN 51503-1 KA	✓	✓	✓	✓		normal	normal	For ammonia (R 717) refrigerators
Frigoil 68		ISO VG 68		✓	✓	✓	✓		normal	normal	
MOL Compressol V	Premium mineral-oil based lubricant	ISO VG 100	ISO-L-DVC	✓		✓	✓		normal	normal	For vacuum applications

* ISO VG 46 available on stock, different ISO VG grades have to be ordered.

** Dependent on application circumstances (discharge temperature, gas quality, oil sump size, etc.)

*** This product is acceptable as a lubricant with incidental food contact in food processing.



OUR SERVICES

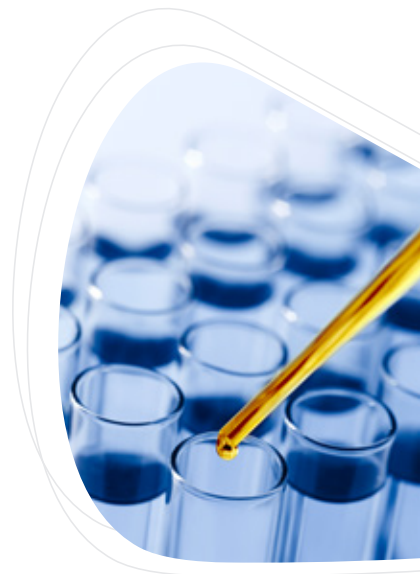
LUBRICATION TECHNOLOGY CONSULTING

Our team of experts would be pleased to help you with any questions or issues related to lubrication. With our many years of experience, we will be able to advise you in relation to compressor oils, including the selection of the best product for a specific application or technical problem.

LUBCHECK OIL AND MACHINE DIAGNOSTICS

Prevent malfunctions of your machines and extend the lifetime of your lubricants! LubCheck diagnostics is a worldwide applied process for lubricant analysis that helps to accurately determine the degree of deterioration of lubricant and any failure to machines, well before any potentially significant loss of production. The benefits of using LubCheck include:

- ✔ Unexpected breakdowns can be identified at an early stage
- ✔ Hidden failures in, and malfunctions of, machines can be assessed
- ✔ Downtime can be reduced or eliminated
- ✔ Maintenance costs can be reduced
- ✔ Preventative maintenance can be planned better and become more accurate
- ✔ Oil change intervals can be optimized
- ✔ Incompatibility of different oils checked
- ✔ Machine reliability can be improved



SUPPORT FOR PROPER OIL CHANGE

Compressor oils are made from different base fluids (mineral, synthetics) and additive systems. Synthetics are polyalphaolefin (PAO) esters, polyalkylene glycols (PAG) and silicones. PAG and silicone are immiscible with mineral and other synthetic oils. Practically, they form two separate phases if mixed. Other synthetics and mineral oils are miscible but additive incompatibility cannot be excluded.

Because of this, it is recommended to perform a compatibility test on the current and MOL compressor oil before the oil change. In the case of incompatibility of the two oils, a carefully performed flushing procedure is necessary to avoid remaining old oil in the system. According to the compressor condition, flushing to clean the system can be beneficial to achieving long service for the oil and performance for the compressor.

Contact us, or directly to MOL lubricant service (lubtechdesk@mol.hu) in case of:

- ✔ Proper compressor oil selection
- ✔ Laboratory test to check incompatibility of different oils
- ✔ Laboratory test to check compressor condition

MOL Compressor oils are miscible with each other.



Our lubricant services:

- ✔ Lubrication technology consulting
- ✔ LubCheck oil and machine diagnostics
- ✔ On-site lubricant maintenance
- ✔ Lubrication assessment
- ✔ Lubrication technology audit
- ✔ Fluid management
- ✔ Training courses

YOUR PARTNER:

