

**LIQUI
MOLY**

**MINING &
CONSTRUCTION**



**BETTER IN
THE LONG RUN**

CONTENTS

PRO-LINE SUPER DIESEL ADDITIVE	2-3
PRO-LINE TBN BOOSTER	4-5
PRO-LINE DIESEL SYSTEM CLEANER	6-7
PRO-LINE ENGINE FLUSH	8-9
PRO-LINE ENGINE WEAR PROTECTION	10-11
PRO-LINE GEAR OIL ADDITIVE	12-13
ANTI-BACTERIAL DIESEL ADDITIVE	14-15
HYDRAULIC SYSTEM ADDITIVE	16-17
VISCOPLUS HEAVY DUTY FORMULA	18-19
TOURING HIGH TECH SHPD ENGINE OIL SAE 15W-40	20-21
TOURING HIGH TECH SUPER SPHD SAE 15W-40	22-23

COMPANY PROFILE

1957 – Founded in Germany, LIQUI MOLY grew from a small additive producer to one of Europe's leading Engine Oil, Lubricants, Additives, and Car Care manufacturer and Germany's No. 1 Brand for Automotive Engine Oils. Molybdenum Disulfide, also known as MoS_2 , is widely used as a solid lubricant due to its low frictional properties even with increasing load. It also provides engine protection against wear, oxidation and corrosion. This additive gave rise to the company name LIQUI MOLY and brought about our vast range of products that is available in 110 countries, thus catering to every need in the Automotive Aftermarket. LIQUI MOLY is also into the Mining Sector, which will/shall unfold a whole new market of opportunities and successes.

Liqui Moly lubricants and additives; Better In The Long Run.





SUPER DIESEL ADDITIVE

This additive is specially designed for use with the latest operating fluids (e.g. low-sulfur diesel fuels with portions of biodiesel). It can be used in all diesel engines, including those with pumped-jet and common rail injection systems. It contains lubricity improver that provides better lubricity for diesel fuels low in sulfur. The increase in ignition performance improves the combustion of the fuel as such, reduces exhaust emissions. A high portion of corrosion protection additives reliably protects the entire fuel system from the formation of rust and corrosion.

AVAILABLE PACK SIZES:

1L 5176

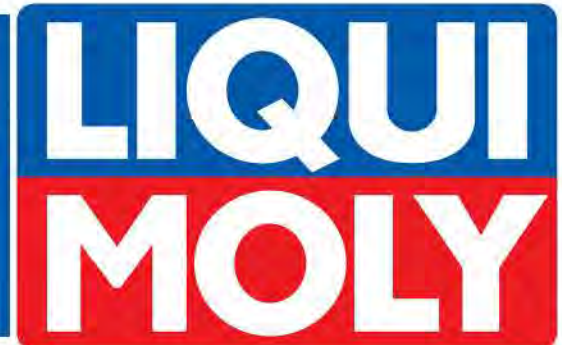
5L 5140

50L 5145



BENEFITS:

- Outstanding corrosion protection
- Increases the cetane number of diesel fuel
- Increases economy and reduces the frequency of repairs
- Prevents seizing and the injector needles from gumming up
- High cleansing effect keeps fuel system components clean and prevents deposits formation
- Ensures improved engine combustion and provides for consistently high engine performance
- Improves the lubricating effect of low-sulfur diesel fuels and protects expensive components (e.g. injection pumps) from the effects of wear





TBN BOOSTER

Specially formulated to extend the oil change intervals especially countries with high sulfur content fuel. By increasing the neutralization capacity, the maintenance costs and the vehicle downtimes can be significantly reduced. The product can be added at any time.

AVAILABLE PACK SIZES:

1L 2516



BENEFITS:

- Neutralize high acid level especially fuel that contains high sulfure content
- Extended oil-change intervals
- Reduced maintenance cost by prevent engine wear and tear to due corrosion





DIESEL SYSTEM CLEANER

Diesel System Cleaner contains a highly effective combination of cleaning and additives formulated for rapid and cost-effective cleaning of disruptive deposits in the fuel systems of diesel engines. The special additives guarantee optimal corrosion protection and increase ignition performance.

AVAILABLE PACK SIZES:

500ml 5156 60L 5159



BENEFITS:

- Guarantees optimal combustion and engine performance
- Removes deposits from entire fuel system
- Minimizes wear and reduces fuel consumption
- Protects from rust and corrosion
- Increases operational reliability and economy
- Prevents partial-load knocking





ENGINE FLUSH

Pro-Line Engine Flush is a highly effective state-of-the-art additive technology. It contains additives that have the ability to dissolve sludge and lacquer formers. All types of oil-soluble and oil-insoluble residues are brought into suspension and removed during the next oil change. An engine which has been cleaned of deposits and contamination shall develop its full performance characteristics.

AVAILABLE PACK SIZES:

500ml 2427

1L 2425

5L 2428



BENEFITS:

- Gentle and rapid cleaning
- Neutral to seals and other materials installed in the engine
- Compatible with catalytic converters
- Highly economical
- No additional environmental pollution
- Simple to use





ENGINE WEAR PROTECTION

This product contains molybdenum disulfide (MoS_2) that provides high-load lubricating film on all rubbing and sliding surfaces. This in turn reduces friction, providing for smoother operation of assemblies and greater engine economy. Tested for turbochargers and catalytic converters.

AVAILABLE PACK SIZES:

1L 5197



BENEFITS:

- Mixable with all commercially available motor oils
- Stable under high thermal and dynamic permanent loads
- No deposits and compatible with all commonly used filter systems
- Reduces running-in and running wear
- Reduces oil and fuel consumption
- Increases smooth operation





GEAR OIL ADDITIVE

Pro-Line Gear Oil Additive considerably reduces wear and lowers peak temperatures. It smoothes out tooth faces and ensures almost wear-free, smooth running operation as well as less harsh shifting. For special use in manual and differential transmissions.

AVAILABLE PACK SIZES:

150ml 5198



BENEFITS:

- Reduces friction and wear
- Improves gear change performance
- Stable under continuous high loads
- Increases operational reliability
- Reduces transmission noise



ANTI-BACTERIAL DIESEL ADDITIVE



Anti-Bacterial Diesel Additive contains a highly active biocide with a wide activity spectrum against bacteria, yeasts and moulds. The biocide does not form any corrosive combustion products and has been tested by leading engine manufacturers.

AVAILABLE PACK SIZES:

1L 5150

5L 5121

60L 5157

205L 5134



BENEFITS:

- Highly effective with a wide activity spectrum
- Active in preventing bacterial infestation
- Neutralises acids formed by microbial growth
- Decontaminates tank systems which are already infested
- Cleans and lubricates injectors
- Reduces diesel knock and pollutant emission



HYDRAULIC SYSTEM ADDITIVE



This additive contains substances which protect and maintain hydraulic systems. Sealing materials, like e.g. o-rings, are optimally maintained. It reduces the friction and stops the stick slip effect. It also protect against wear and tear. In addition, this additive protects the hydraulic system against corrosion and the formation of foam, sludge, and deposits. Hydraulic System Additiv reduces the repair risk and the down times, and minimizes the operating costs.

AVAILABLE PACK SIZES:

1L 5116 205L 8898



BENEFITS:

- Protect and maintains sealing
- Reduces the friction and prevents stick slip effect
- Prevents the formation of deposits and sludge
- Protects against corrosion
- Prevents rapid oil ageing process
- Reduces the cost of repairs and the down times and increases the service life



VISCOPLUS HEAVY DUTY FORMULA



Modern, mono-functional high-performance additive for stabilizing the viscosity of motor oils. Viscopius Heavy Duty Formula offers outstanding protection against mechanical and therefore permanent shear losses to the oil under extreme running conditions and is effective against the thinning of motor oils due to frequent cold starts.

AVAILABLE PACK SIZES:

1L 2105

5L 1788



BENEFITS:

- Stabilizes and corrects the loss in viscosity in motor oil caused due to shear stress
- It maintains the lubrication reliability of motor oils between oil changes and under extreme operating condition
- Fully compatible with today's mineral-oil and synthetic-oil based gasoline and diesel motor oils
- Provides more load-bearing lubrication thus reduced engine wear



TOURING HIGH TECH SHPD ENGINE OIL SAE 15W-40



This multi-purpose diesel engine oil with maximum performance. It is specially formulated with advanced wear protection technology that is suitable for new generation of super high-performance diesel engines with and without exhaust turbocharging. It is very suitable when there are long periods between oil changes and prevents "bore polishing". It is suitable for use in a mixed vehicle fleet.

AVAILABLE PACK SIZES:

1L 2474

5L 2475

20L 1061

60L 1602

205L 1063



BENEFITS:

- Prevents bore polishing
- Extreme long oil change intervals
- Stable to ageing and viscosity stable
- Guarantees reliable protection against wear
- Suitable for all diesel engines (aspirated and turbocharged)

SPECIFICATIONS AND APPROVALS:

ACEA A3 ▪ ACEA B4 ▪ ACEA E7 ▪ API SL ▪ API CH-4 ▪ Mack EO-M Plus ▪ MAN M 3275-1 ▪ MB-Approval 228.3 ▪ MTU Typ 2 ▪ Renault Trucks RD-2 ▪ Volvo VDS-2



TOURING HIGH TECH SUPER SHPD SAE 15W-40



This multi-purpose engine oil specially developed for the mixed fleet. It contains the latest additive technology guarantee high performance reserves and outstanding anti-wear properties over extremely long intervals between oil changes. This has been tested on engines with catalytic converters and is outstandingly suitable for vehicles with and without turbochargers.

AVAILABLE PACK SIZES:

20L 3175

60L 3178

205L 8863



BENEFITS:

- Excellent wear protection
- Prevents "bore polishing"
- Outstanding aging and viscosity stability
- Extremely long oil change intervals
- Excellent detergent and dispersant effect

SPECIFICATIONS AND APPROVALS:

ACEA A3 • ACEA B4 • ACEA E7 • Allison C4 • API SL • API CI-4 • Cummins CES 20078 • Detroit Diesel DDC 93K215 • Global DHD-1 • JASO DH-1 • MAN M 3275-1 • Mack EO-N • MB-Freigabe 228.3 • Renault Trucks RLD-2 • Volvo VDS-3

LIQUI MOLY RECOMMENDS THIS PRODUCT FOR VEHICLES FOR WHICH THE FOLLOWING SPECIFICATIONS ARE REQUIRED:

Caterpillar ECF-1-a • Caterpillar ECF-2 • Cummins CES 20076 • Cummins CES 20077 • Deutz DQC III-10 • John Deere JDQ 78 A • Mack EO-M Plus • MB 229.1 • MTU Typ 2 • Renault Trucks RLD





MINING & CONSTRUCTION

