



General Manufacturing Sector Offering





Contents

Objective	04
Milestones of successful partnership	05
Mobil - Brand introduction	06
Industries we serve	07
Industry schematics	08
General manufacturing sector	09
product offering	
• Mobil SHC Series	10
• Mobil Rarus Series	11
• Mobil Grease	12
• Mobil DTE 10 Excel Series	13
• Mobil DTE 20 Ultra Series	14
• Mobilgear 600 XP Series	15
Proof of performance	16
Services	19
Order processing	20
Local partnered laboratory	21

Objectives



To assist General Manufacturing customers with their lubrication needs.



Provide best lubrication solutions to manufacturers and improve their revenues by leveraging the Mobil brand value.



Enhance customer experience by providing a wide range of Mobil products suitable for all equipment applicable in the General Manufacturing industry.



To create awareness of Mobil brand benefits.



Milestones of successful partnership



Business growth through successful partnership

- UAE's Largest Authorized Mobil Reseller
- Partnership through progressive business growth.

Lubrication solutions partner rather than just a supplier

- Mobil Serv Lubricant Analysis.
- Plant Audits.
- Engineering Recommendation.
- Mobil Academy.

100% order fulfillment rate

- Highly efficient supply chain process.
- Supply lead time: Maximum 2 working days for locally blended products.
- Zero rejections/sales returns.
- Zero product quality issues.





A brand that needs no introduction.

For over 100 years, Mobil has established an unsurpassed reputation as a supplier of leading-edge industrial lubricants with in-depth industry expertise, programs and tools to help bring customers to new heights of equipment productivity.

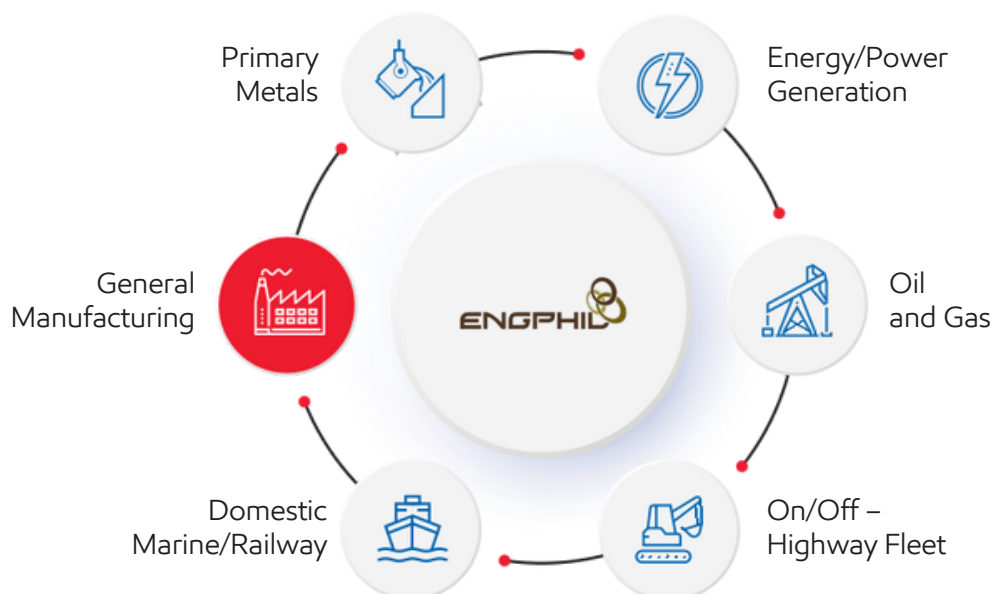
Best-in-class
lubrication
doesn't just
happen





Mobil™ industrial lubricants

- Mineral & synthetic.
- Approved by leading equipment builders.
- Field engineers to gain deep insights into equipment trends and lubrication requirements.
- Exceptional and balanced performance required for today's industrial equipment.

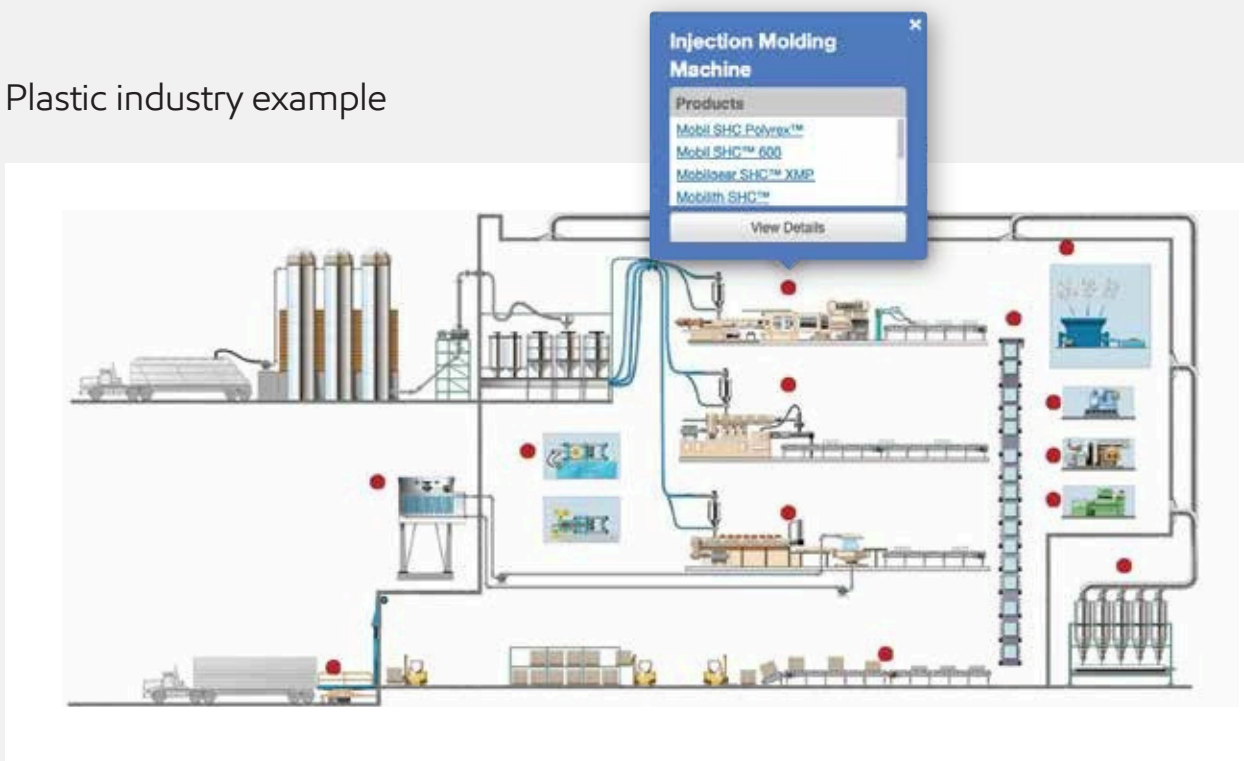


Want your machines to run longer?

Keep your injection molding machines in top shape with Mobil.



Plastic industry example



Note: Schematic and product recommendations are intended as a general guide only. Products listed are the product series names. Please refer to equipment builder manual for final lubrication recommendations or consult your Mobil™ Industrial Lubricants team for additional products.
NOT TO SCALE

General manufacturing sector product offering



Mobil SHC Products

Our Mobil SHC™ line of synthetic lubricants is designed to protect:

- Equipment operating under severe conditions.
- Frequent starts and stops.
- Wide operating temperature ranges, and contamination.

[Learn more](#)



Mobil Rarus Series

Our Mobil Rarus™ 400 Series ashless air compressor oils are recommended for single and multistage air compressors operating under mild to severe conditions.

Mobil Rarus 800 Series are high-performance oils, primarily intended for the lubrication of severe-duty main and emergency marine reciprocating air compressors.

Mobil Rarus SHC™ 1020 Series synthetic air compressor oils are designed to lubricate severe-duty rotary screw and vane air compressors.



Mobil™ Grease

Whether conventional or synthetic, Mobil™ Grease offers:

- Long regreasing intervals.
- Enhanced equipment life.
- Exceptional protection even in extreme conditions.



[Learn more](#)



Mobil DTE 10 Excel™ Series

High-performance anti-wear hydraulic oils specifically designed to meet the needs of modern, high-pressure, industrial and mobile equipment hydraulic systems.



[Learn more](#)



Mobil DTE™ 20 Ultra Series

This series offers improved, well-balanced performance to meet the demands of high-pressure and high-output hydraulic systems, delivering increased oil life, better wear protection and better deposit control in the process.



[Learn more](#)



Mobilgear™ 600 XP Series

These advanced technology lubricants are designed to protect gears, bearings and seals in all types of enclosed-gear drives with circulation or splash lubrication systems. These industrial gear oils exceed the industry requirement for bearing wear protection as measured by the industry standard FAG FE 8 test.



[Learn more](#)

Mobil SHC™

Fully synthetic lubricants for any industrial application

Mobil SHC™ synthetic lubricants help boost productivity and better protect your equipment - particularly when they are operating under severe conditions such as loads and pressures, frequent starts and stops, wide operating temperature ranges, and contamination. Other advantages of Mobil SHC™ synthetic lubricants include; high-temperature capability, excellent resistance to oxidation, low-temperature flow properties, protection against wear.



Mobil SHC™ 600 Series - synthetic circulatory and gear lubricants are designed to offer premium protection and enhanced equipment uptime in critical industrial gearboxes operating under heavy loads and extreme temperatures.



[Learn more](#)

Mobil SHC™ Gear synthetic gear oils protect industrial gearboxes and help extend oil life in some of the most extreme conditions. They are formulated for efficient lubrication of industrial enclosed gear drives operating under extreme conditions of load, speed and temperature.



[Learn more](#)

Mobil Rarus SHC™ 1020 Series - synthetic air compressor oils are designed to lubricate severe-duty rotary screw and vane air compressors. These outstanding synthetic air compressor oils are particularly suited for severe service applications where mineral products are not as effective.



[Learn more](#)

Mobil Gargoyle Arctic SHC™ 200 Series refrigerant oils are designed for use in refrigeration compressors and heat pumps. These fully synthetic refrigeration lubricants are able to perform in severe service conditions that are beyond the capabilities of many conventional oils.



[Learn more](#)



Mobil Rarus Series: Unique range of Air Compressor Oils

Our Mobil SHC™ Rarus Series synthetic air compressor oils protect vane and rotary screw air compressors. They are designed for severe service – such as high final compression temperatures or extended oil drain intervals – where other synthetic oils do not meet service life expectations.

Our Mobil Rarus™ 400 Series ashless air compressor oils are recommended for single and multistage air compressors operating under mild to severe conditions. They are formulated with high-quality mineral base oils and a high-performance additive system to provide exceptional equipment protection and reliability for compressors.



[Learn more](#)

Mobil Rarus 800 Series: Mobil Rarus™ 827 and Mobil Rarus™ 829 are high-performance oils, primarily intended for the lubrication of severe-duty main and emergency marine reciprocating air compressors. Their balanced formulation provides optimal wear protection and maximized component life.



[Learn more](#)

Mobil Rarus SHC™ 1020 Series synthetic air compressor oils are designed to lubricate severe-duty rotary screw and vane air compressors. These outstanding synthetic air compressor oils are particularly suited for severe service applications where mineral products are not as effective.



[Learn more](#)

Premium performance ashless air compressor lubricants



Designed to meet the stringent requirements of the major compressor manufacturers.

Mobil Grease™

Enhanced protection for productivity that sticks

Mobil™ greases offer long regreasing intervals, enhanced equipment life, and exceptional protection even in extreme conditions*. Boost your productivity with our conventional and synthetic greases, available in a broad range of NLGI grades and fluid viscosities for a variety of applications.



Mobilith SHC™ Series multipurpose greases are high-performance synthetic lubricants developed to protect equipment in severe applications operating at extreme temperatures. Their excellent adhesion, structural stability and resistance to water make them suitable for use in a wide variety of machinery and components.



[Learn more](#)

Mobil Polyrex EM series Mobil Polyrex™ EM electric motor bearing grease has earned an exceptional reputation for outstanding performance. Mobil Polyrex™ EM grease is designed for electric motor bearings



[Learn more](#)

Mobilgrease XHP™ 220 greases are extended service lithium complex greases intended for a wide variety of applications and severe operating conditions. Mobilgrease XHP 220 greases are designed for a wide range of applications including the industrial, automotive, construction and marine sectors.



[Learn more](#)

Mobilgrease XHP™ Mine products are specifically designed for the lubrication of extra heavy-duty off-highway and mining equipment.



[Learn more](#)

Mobilux™ EP 0, 1, 2, 3, 004 and 023 products are a high-performance family of four general-purpose industrial greases and two special-duty semi-fluid greases.



[Learn more](#)



Mobil DTE 10 Excel Series: Premium hydraulic oil for energy

Mobil DTE 10 Excel™ Series lubricants are formulated to meet the demands of today's high-pressure industrial and mobile equipment hydraulic systems. These hydraulic fluids help keep hydraulic systems cleaner, longer compared to conventional hydraulic fluids. They're proven to boost hydraulic efficiency by up to 6 percent, which can decrease power consumption and increase system responsiveness. They can also help reduce machine maintenance and operating costs.



Scan to
know more



- Help minimize maintenance costs and downtime by keeping systems clean up to 3 times longer than competitive oils tested.
- Can help reduce power consumption and enhance equipment production through exceptional hydraulic efficiency.
- Reliable starting and pump protection at a wide temperature range.
- Mobil DTE 10 Excel Series lubricants provided hydraulic pump efficiency benefits up to 6 percent when compared with a typical reference hydraulic fluid in controlled bench testing.

Choose, Conserve, Save.

With Mobil oils, conserve energy
and reduce cost.





Mobil DTE 20 Ultra Series: Superior hydraulic oil for lower maintenance

Mobil DTE™ 20 Ultra Series offers improved, well-balanced performance to meet the demands of high-pressure and high-output hydraulic systems, delivering increased oil life, better wear protection and better deposit control in the process.



Scan to
know more



2X longer oil
drain intervals



Extended
component life



Extended
filter life





Mobilgear 600 XP Series: Industry reference for gear applications

Mobilgear™ 600 XP Series advanced technology lubricants are designed to protect gears, bearings and seals in all types of enclosed-gear drives with circulation or splash lubrication systems. These industrial gear oils exceed the industry requirement for bearing wear protection as measured by the industry standard FAG FE 8 test.



Scan to know more



- Long bearing life can help boost productivity by limiting maintenance downtime and minimizing bearing replacement costs.
- Helps limit equipment replacement costs through exceptional protection against wear and micropitting.
- Helps minimize leaks, oil consumption and contamination through excellent seal compatibility.
- 15x the industry requirement for wear protection*.

Performance profile



Performance by ExxonMobil

Mobilgear™ 600 XP Series

Extra high-performance gear oils



Today's smaller gearboxes with higher power density create greater demands on lubricants. That's why Mobilgear™ 600 XP Series oils are formulated to offer exceptional extreme-pressure and load-carrying properties. These capabilities can help:

- Minimize unplanned equipment and maintenance downtime
- Boost productivity through trouble-free operation
- Limit repair and replacement costs

Key benefits



Helps limit equipment replacement costs through exceptional protection against wear and micropitting



Long bearing life can help boost productivity by limiting maintenance downtime and minimizing bearing replacement costs

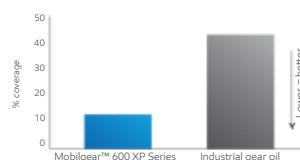


Helps minimize leaks, oil consumption and contamination through excellent seal compatibility

Micropitting protection

Incontrolled laboratory testing illustrating micropitting formation on gear teeth, Mobilgear 600 XP Series oils provided outstanding protection compared to generic oils. This capability can help enhance equipment life to save you repair and replacement costs.

Average micropitting on gear teeth



15x

the industry requirement for wear protection*

Meets or exceeds the requirements of:

- AGMA 9005-EO2
- DIN 51517-3: 2009-06
- ISO 12925 CKD

Builder approval†

- SIEMENS AG Flender gear units, T 7300, Table A-a, Flender (ISO 150-680)
- SIEMENS AG Flender gear units, T 7300, Table E-am, Flender (ISO 150)
- Mueller Weingarten DT 55 005

*As measured by the industry standard FAG FE 8 test
†See Product Data Sheet (PDS) at mobilindustrial.com for which oils have these approvals

Proof of performance (Sample)

Proof of performance

Mobil

Performance by ExxonMobil

Mobil DTE 10 Excel 46 helps the customer reduce energy consumption of up to 3%*



Energy lives here™

Injection moulding machines KM350/3000CX, KM350/2700C2 | Häfner & Krullmann GmbH | Leopoldshöhe, Germany

Situation

In an injection moulding machine, different plastic materials are produced through inlet of plastic pellets. A hydraulic unit is responsible for moving the plungers of the cylinder and for activating the hydro motor. The leak oil stream should be constant during operation and a free movement of the plungers is necessary for a fast and homogeneous action. Large leak oil streams and stick slip can have a negative impact on the energy efficiency. The company approached ExxonMobil to help determine an alternative lubrication solution capable of reducing energy consumption while simultaneously providing outstanding equipment protection.

Recommendation

Based on customer feedback ExxonMobil engineers proposed an energy efficiency study with the current hydraulic oil and Mobil DTE 10 Excel™ 46 hydraulic oil. Formulated with selected base oils and a proprietary additive system, Mobil DTE 10 Excel 46 is scientifically engineered to help provide exceptional

hydraulic system efficiency†, including potential energy efficiency benefits.

Impact

Häfner & Krullmann's maintenance personnel reported the energy study results showed the injection molding machines experienced up to 3% reduction of energy consumed when using Mobil DTE 10 Excel 46 hydraulic oil, while operating at full capacity. In addition, the customer experienced reduction of filter usage due to excellent filterability and low differential pressure at the beginning.

Benefit

Mobil DTE 10 Excel 46 hydraulic oil helped Häfner & Krullmann improve the energy efficiency of its plastic injection molding machines by up to 3%, and improve production.

Up to
3% of reduction in energy consumption

Industrial Lubricants



**Advancing
Productivity™**

Safety

Reduction in planned maintenance and filter changes have helped reduce employee interaction with equipment and diminish associated injury risks.

Environmental Care**

Reduction in oil consumption and filter changes have helped decrease waste generated for disposal.

Productivity

Customer experienced improved productivity due to improved energy efficiency, reduction of maintenance and filter change intervals.

† The energy efficiency of Mobil DTE 10 Excel relates solely to the fluid performance when compared to conventional Mobil-branded hydraulic fluids. The technology used allows up to 6% increase in hydraulic pump efficiency compared to Mobil DTE 20 series when tested in standard hydraulic applications under controlled conditions. The energy efficiency claim for this product is based on test results on the use of the fluid conducted in accordance with all applicable industry standards and protocols.

* This proof of performance is based on the experience of a single customer. Actual results can vary depending upon the type of equipment used and its maintenance, operating conditions and environment, and any prior lubricant used.

** Visit mobilindustrial.com to learn how certain Mobil-branded lubricants may provide benefits to help reduce environmental impact. Actual benefits will depend upon product selected, operating conditions and applications.

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mobilindustrial.com

Proof of performance (Sample)

Proof of performance

Mobil Grease
Performance by ExxonMobil

Mobilgrease XHP 222 helped to improve productivity by decreasing grease consumption by 67%*



Energy lives here™

Bearings of Merchant Bar Mill | Steel mill | Oman

Situation

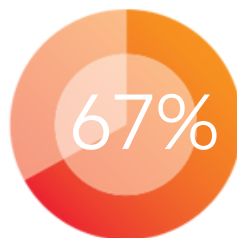
Customer produces steel by merchant bar mill at a steel mill in Oman. The rolling mill bearings have previously been lubricated with lithium mineral grease. Grease has been distributed to bearings by centralized grease lubrication system. Due to operating temperatures and continuous water spray cooling system, grease has washed out from the bearings.

Benefit

By selecting Mobilgrease XHP 222 as bearing grease, rolling mill generated approximately €20,000 savings grease consumption decreased by 67% compared against the previous mineral product.

Recommendation

To improve lubrication of the bearings, ExxonMobil recommended Mobilgrease XHP™ 222 lithium complex grease that combines excellent high temperature performance with superb adhesion, structural stability and resistance to water contamination.



less grease
consumption

Industrial Lubricants



**Advancing
Productivity™**

Safety

Reduced planned maintenance has helped customer reduce employee interaction with equipment and diminish associated injury risks. Decreased leakage has also helped keep the workplace cleaner making it less risky for slips.

Environmental Care

Reduction of grease leakages has helped to decrease oily waste generated for disposal**.

Productivity

The annual savings generated were calculated at approximately €20,000. Savings are the result of a decrease in grease consumption and planned maintenance tasks.

* This proof of performance is based on the experience of a single customer. Actual results can vary depending upon the type of equipment used and its maintenance, operating conditions and environment, and any prior lubricant used.

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POP 2014-625

mobilindustrial.com

Proof of performance (Sample)

Proof of performance



Mobil Gargoyle Arctic SHC 226E synthetic oil for refrigerating compressors*



Energy lives here™

Screw and piston refrigerating compressors | Unilever Polska S.A. | Food industry | Poland

Situation

The Unilever Polska Plant in Banino is one of the largest ice cream producers for both the Polish and European markets. It operates a total of 11 refrigerating compressor units equipped with Sabroe (SAB 128, 193, 233), Gram (GSV 263) and Frick screw compressors as well as Gram piston compressors working in ammonia refrigeration systems, to support processing lines and storage requirements. The total oil systems volume is 3,820 liters. A mineral oil change was previously performed once a year. The deposits resulting from mineral oil degradation were observed on compressor components.

Also, there were no deposit build-ups in the oil tanks of screw compressors and crankcases of piston compressors, so leading to a general decrease of compressor maintenance costs.

Benefit

Switch to Mobil Gargoyle Arctic SHC 226E increased oil drain interval up to 200% compared to previous mineral product. That helped decrease maintenance costs and reduce waste generated for disposal**. Customer experienced also reduced costs of separators and filters as well as cleaning the equipment due to decreased deposit formation in oil. Introduction of synthetic oil made the maintenance of engine room and cooling installation much easier. The maintenance department at the Unilever Plant in Banino recommends the use of Mobil Gargoyle Arctic SHC 226E to other users without hesitation.

Recommendation

The introduction of Mobil Gargoyle™ Arctic SHC 226E synthetic oil offered an excellent alternative as it extended oil change intervals to 3 years enabling a decrease in oil consumption, and a reduction of costs related to oil separators, oil filters as well as reduced oil derivative waste utilization costs.

Oil drain interval increased by up to

200%

Industrial
Lubricants



By helping you enhance equipment life and reliability — which reduces maintenance costs and downtime — our expert services can help you achieve your safety, environmental care and productivity goals.

* This proof of performance is based on the experience of a single customer. Actual results can vary depending upon the type of equipment used and its maintenance, operating conditions and environment, and any prior lubricant used.

** Visit mobilindustrial.com to learn how certain Mobil-branded lubricants may provide benefits to help reduce environmental impact. Actual benefits will depend upon product selected, operating conditions and applications.

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HIPOP 2013-617

mobilindustrial.com

Used Oil Analysis

Improve your Condition-Based Monitoring process by offering our enhanced Used-Oil Analysis on a periodic basis.



Reliable Supply

Ensured reliability of supply through a long-term forecast.

Equipment Support

Supply & installation of lubricant storage & dispensing equipment.



Trainings

Lubrication practices training and product seminars.



Technical Support

Improved supplier support to assess technical situation immediately.



E-Lube Charting

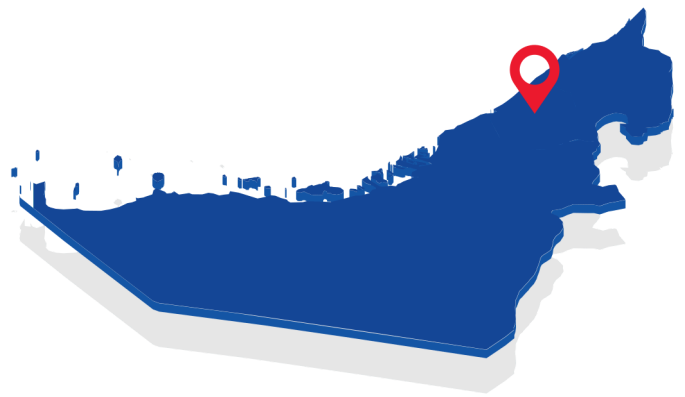
Consolidated lubricant types through developing lubrication charts in-line with OEM recommendations.





100% order fulfillment commitment

A comprehensive range of Mobil lubricants are manufactured and blended at Middle East Lubricants Company (L.L.C.) also called MELUBCO, located in Jebel Ali, UAE. All products are manufactured and packed in strict conformity to ExxonMobil's proprietary formulations, quality control procedures, and prescribed guidelines. Certain specialty products such as high-performance turbine oils, greases and synthetic lubricants are imported from ExxonMobil plants around the world. Our blending facility MELUBCO is IATF 16949 certified which is a prerequisite for a company to supply its products to the Automotive industry, specifically for the First Fill.



ISO 14001: Environmental Management System
ISO 9001: 2015 Quality System
International Safety Rating System (ISRS Level 8)
OHSAS 18001 : Occupational Health & Safety Assessment Series





Mobil Lubricant Analysis

Oil analysis programs might seem to be all the same, but look more closely and you'll see clear differences. Mobil Lubricant Analysis delivers the full spectrum of analysis on your Mobil™ branded lubricants, which no other program can provide.



Field Engineering Services

With the support of Mobil (EMALU), we assign a Field Engineer who develops a training program and deploys throughout the forthcoming year at the agreed levels. Support in other technical areas, including troubleshooting and investigating problems or oil related issues and advising on new model launches and specific oil requirements.



Authorized Reseller in United Arab Emirates



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