



Performance by ExxonMobil

Assured performance for peak productivity

Advanced solutions to keep mines moving

Energy lives here™





The right solutions for your toughest challenges

Fluctuating commodity prices, shifting market forces, slimming margins, tightening regulations, increasing expectations from shareholders. You face these challenges while struggling to maintain productivity and limit equipment inefficiency — often in severe conditions. That's why mining operators around the world turn to our comprehensive portfolio of world-class lubricants and robust services for a holistic, solutions-driven approach to achieving and sustaining success.



Operation-wide lubricants

We offer a comprehensive portfolio of oils and greases formulated to keep your broad range of equipment running efficiently.



Expert services

Rely on our experienced engineers to help boost productivity and efficiency through application expertise and key MobilSM Services services designed specifically for mining operations.



Holistic solutions

Our products and services combine to offer holistic solutions to your operation's toughest challenges.

Products

Long-lasting, advanced-technology Mobil™ lubricants are designed to help:

- Ensure the reliability of your equipment and lower maintenance costs
- Reduce used oil generation — a crucial environmental consideration
- Minimize maintenance and its associated employee safety risks

These outstanding products can help deliver many unique advantages and benefits to your mining operation — including those featured below.*

Application	Product	Features and benefits
Material processing equipment		
Gears and circulating systems	Mobil SHC™ 600 Series Mobil SHC™ Gear Series	<ul style="list-style-type: none">▪ Long fluid life helps lead to reduced oil consumption and disposal▪ Potentially reduces power consumption up to 3.6 percent^{††}
Air compressors	Mobil SHC™ Rarus Series	<ul style="list-style-type: none">▪ Long fluid life helps lead to reduced oil consumption and disposal
Electric motor bearings	Mobil Polyrex™ EM	<ul style="list-style-type: none">▪ Excellent grease protection for long bearing life
Mobile equipment		
OHV drive applications	Mobil SHC™ Gear OH Series	<ul style="list-style-type: none">▪ Superb wear protection helps maximize component life▪ Exceptional low-temperature fluidity for easy cold startup
Open gears	Mobil Dynagear™ Series	<ul style="list-style-type: none">▪ Excellent gear protection helps extend equipment life, which can lower maintenance costs
Variety of heavy-duty applications	Mobilgrease XHP™ Mine Series Mobilgrease XHP™ 462 Moly	<ul style="list-style-type: none">▪ Moly-containing, long grease life, which can help reduce consumption and disposal
Diesel engines	Mobil Delvac™ 1 Mobil Delvac™ MX Mobil Delvac™ ESP	<ul style="list-style-type: none">▪ Engine efficiency, long engine life in severe off-highway applications
Transmissions and drivetrains	Mobiltrans™ AST Mobil Delvac™ Synthetic ATF	<ul style="list-style-type: none">▪ Outstanding fluidity and pumpability, helps lead to quicker starts and reduced wear
Gears and axles	Mobilube™ HD Mobilube™ XFD 60	<ul style="list-style-type: none">▪ Excellent load and shock capability, helping reduce premature failures▪ Wide operating range
Hydraulic systems	Mobil DTE 10 Excel™ Series Mobil DTE™ 20 Series	<ul style="list-style-type: none">▪ Energy efficiency benefits[§] (Mobil DTE 10 Excel)▪ Keep-clean performance

*Since equipment and operating conditions vary, please refer to equipment builder manual for preferred lubrication recommendations.

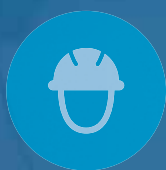
[†]For Mobil SHC™ 600, energy efficiency relates solely to the fluid performance when compared with conventional reference oils of the same viscosity grade in circulating and gear applications. The technology used allows up to 3.6 percent efficiency compared with the reference when tested in a worm gearbox under controlled conditions. Efficiency improvements will vary based on operating conditions and applications.

^{††}For Mobil SHC™ Gear, energy efficiency relates solely to the fluid performance when compared with conventional (mineral) reference oils of the same viscosity grade in gear applications. The technology used allows up to 3.6 percent efficiency compared to the reference when tested in a worm gearbox under controlled conditions. Efficiency improvements will vary based on operating conditions and applications.

[§]For Mobil DTE 10 Excel™, energy efficiency relates solely to the fluid performance when compared with ExxonMobil's standard hydraulic fluids. The technology used allows up to 6 percent increase in hydraulic pump efficiency compared with Mobil DTE™ 20 Series when tested in standard hydraulic applications. 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.

Mobil ServSM services

To achieve peak productivity, count on Mobil ServSM services — a full suite of service solutions designed to help you minimize unscheduled downtime, maintenance costs and equipment issues. From Shovel Optimization to Advanced Energy Efficiency Documentation to Grinding Mill Gear Inspection, we offer services tailored specifically to the mining industry.



Application expertise

Through Mobil Serv services, our world-class engineers deliver invaluable hands-on direction, using unsurpassed application expertise to help you achieve your goals in safety, environmental care and productivity.



Lubricant analysis

To help you monitor lubricant and equipment condition, and avoid unscheduled breakdowns and costly repairs, we offer Mobil ServSM Lubricant Analysis. Mining operators around the world use the program to detect equipment and lubricant issues before they occur, saving money on equipment repair and replacement.

Advancing Productivity™ for mining

In today's mining industry, success is measured by more than productivity alone. You must meet critical safety goals and demonstrate your commitment to minimizing your environmental footprint. Our synthetic lubricants and service programs are designed to provide valuable solutions in these three critical areas, which we call Advancing Productivity.™

Safety

Long oil drain and lubrication intervals, as well as minimized equipment breakdowns, limit the need for maintenance and the associated risks of employee interaction with equipment.

Environmental Care*

Potentially lessening energy and lubricant consumption, along with the need for lubricant disposal, supports your efforts to limit the environmental footprint of your mining operation.

Productivity

Our products and services are designed to help provide exceptional equipment protection and trouble-free performance, which can help you boost the efficiency and productivity of your operation, while limiting costly repairs and replacements.

Industrial Lubricants



**Advancing
Productivity™**

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

