



Advanced solutions for boosting productivity

Shaping success for the machining industry



FILL WITH **Mobil**TM

We are committed to delivering expert lubrication solutions that meet your industry's unique challenges and help keep your shop running at top efficiency.

Solutions for productivity and peace of mind

In an industry as competitive as yours, keeping the shop running smoothly is critical. Your customers depend on you for precision products that meet exacting specifications. Unscheduled — and costly — downtime for maintenance and repairs must be kept to a minimum. We understand the ongoing challenges of keeping your productivity high and your customers happy. That's why we offer products and services designed specifically for the conditions you face in the precision machining industry.



Exceptional products

Our lineup of Mobil[®] oils and greases helps protect your critical equipment, minimize downtime and deliver customer satisfaction.



World-class services

We complement these lubricants with hands-on guidance and application expertise from our skilled engineers to help you handle your toughest challenges.



Comprehensive solutions

Our state-of-the-art products and services harmonize in a complete solution that can help your operation attain new levels of safety, environmental care and productivity.

Products

Mobil® industrial lubricants and cutting oils help you meet the ongoing challenges of your precision machining business. Leading OEMs recognize them for consistently delivering reliable performance and optimum equipment protection. Our products — including those featured below*— are designed to help maximize productivity.

Application	Product	Features and benefits
Slideways	Mobil Vactra® Oil Numbered Series	<ul style="list-style-type: none">Helps eliminate stick slip, allowing precision finishWide range of applications allows for product consolidationLong-term rust and corrosion protection
Hydraulic systems	Mobil DTE 10 Excel® Series	<ul style="list-style-type: none">Excellent hydraulic efficiency,[†] potentially leading to reduced energy consumptionProtection over a wide temperature range helps reduce maintenance and enhance component lifeLong fluid life even under harsh operating conditions
	Mobil DTE® 20 Series	<ul style="list-style-type: none">Helps minimize maintenance downtime and costsEnhanced wear and varnish protection for improved component lifeKeep-clean properties help increase system reliability and performance
High-speed spindle bearings	Mobil Velocite® Oil Series	<ul style="list-style-type: none">Helps minimize deposit formationHelps reduce vibration for precision parts
Gearbox	Mobil SHC® 600 Series	<ul style="list-style-type: none">Helps limit power consumption,[‡] which can minimize cost of operationHelps enhance drain intervals to limit maintenance and replacement costsProvides trouble-free operation to boost operational productivity
	Mobilgear® 600 XP Series	<ul style="list-style-type: none">Enhanced micropitting protection helps minimize unscheduled downtimeOutstanding seal compatibility helps minimize leakage and maintenance
Bearings	Mobilith SHC Series	<ul style="list-style-type: none">Durable synthetic grease with strong adhesion and water resistance.Boosts efficiency and lifespan, cutting maintenance with potential to reduce energy consumption and broad OEM approval.
	Mobilgrease XHP® 220 Series	<ul style="list-style-type: none">Protection against rust and corrosion in the presence of waterReduced wear for good equipment reliability and availability
Electric motors	Mobil Polyrex EM	<ul style="list-style-type: none">Recommended by many major bearing and electric motor manufacturersSuitable for lubrication of ball bearings in noise-sensitive applicationsIncrease durability versus conventional polyurea greases
Air compressors	Mobil SHC® Rarus Series	<ul style="list-style-type: none">Exceptional performance and long oil life help maximize productivityOutstanding thermal/oxidation stability helps minimize maintenance costsHelps prevent deposit and sludge formation
Cutting	Mobilmet® Series	<ul style="list-style-type: none">Helps enhance surface finish and dimensional accuracyHelps address environmental and safety concernsHelps provide long tool life
Honing, grinding	Mobilgrind® Series	<ul style="list-style-type: none">Low mist and low odor help enhance workplace environmentHelps provide outstanding surface finish in a range of applicationsChlorine-free for safe, easy disposal

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

[†]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 applicable industry standards and protocols. Efficiency improvements will vary based on operating conditions and applications.

[‡]Energy efficiency relates solely to the fluid performance when compared to conventional reference oils of the same viscosity grade in gear applications. The technology used allows up to 3.6 percent efficiency compared with the reference when tested in circulating and gear applications under controlled conditions. Efficiency improvements will vary based on operating conditions and applications.

Mobil™ services

To achieve peak productivity, count on Mobil services — a full suite of solutions designed to help you minimize unscheduled downtime, maintenance costs and equipment issues. Our wide range of services — which include On-site metalworking fluid maintenance, On-site circulating oil testing/hydraulic inspection, and Contamination control — can help you meet your challenges and optimize your operation.



Application expertise
Through Mobil 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 Lubricant Analysis. 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 the precision machining industry

Our unsurpassed synthetic lubricants and service programs harmonize into what we call Advancing Productivity™ critical Safety, Environmental Care and Productivity benefits that can help take your business to new heights.

Safety

Long oil and equipment life, as well as superb wear protection, can help minimize maintenance and the risks associated with employee equipment interaction, especially in challenging areas.

Environmental Care*

Long oil and equipment life can help lessen waste disposal and the risk of spills.

Productivity

Enhanced equipment availability and trouble-free operation can minimize unscheduled downtime to help your operation reach peak productivity.



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Health and Safety
Based on available information, these products are not expected to produce adverse effects on health when used for the applications referred to above and the recommendations provided in the Material Safety Data Sheets (MSDSs) are followed. MSDSs are available upon request through your sales contact office or via the Internet. These products should not be used for purposes other than the applications referred to above. If disposing of used product, take care to protect the environment.