

Stay ahead of the resource drain



Energy lives here™

Resource-intensive environments operate with excessive energy consumption, which can take up a significant portion of operating budgets. To keep machines running at their best, using an appropriate lubricant could provide potential energy savings and operational efficiencies.

This type of environment includes:

- Industrial and mobile equipment hydraulic systems operating at high pressures and temperatures in critical applications
- Hydraulic systems subject to deposit buildup, particularly where close-clearance servo valves are used
- Systems where cold start-up and high operating temperatures are typical
- Systems requiring a high degree of load-carrying capability and antiwear protection
- Machines employing a wide range of components made of various metals

Use of the wrong lubricants can increase the overuse of resources

High load-carrying equipment working at high pressures and temperatures taxes lubricants to the

extreme. These intense conditions increase the oxidation rate, which can cause lubricants to break down and rapidly lose effectiveness.

Underlubricated equipment uses more energy than should be required. Energy consumption can take up a significant portion of operating budgets. As low-quality lubricants break down quickly and become ineffective, equipment works much harder and can increase those costs. Using the right high-quality lubricant can actually help lower existing energy costs by keeping machinery running at peak efficiency.

High temperatures also cause condensation, which dries the oil out and makes your machinery work harder. As high heat affects the viscosity, the oil sticks and overheats the engine. All of this can really challenge the efficiency of your resources.

Mobil can help

Resource-intensive environments require lubricants that are well balanced and optimized for a wide range of temperatures and pressures. We have products with excellent shear stability, advanced oxidation resistance, and high viscosity index to keep machines running at their best.

Our Progressive products include:

Mobil DTE 10 Excel™ Series	Outstanding hydraulic oils that help provide quantifiable increases in hydraulic efficiency compared to other Mobil™ hydraulic oils—meaning reduced power consumption or increased machine output, resulting in monetary savings. Mobil DTE 10 Excel Series hydraulic oils have been shown to provide an average of 3.7 percent energy savings.
Mobilith SHC™ Series	Superior-performance greases designed for a wide variety of applications at extremes of temperature
Mobilith SHC™ 600 Series	Gear and bearing oils that provide outstanding equipment protection, long oil life, and problem-free operation—plus resistance to mechanical shear, even in heavily loaded gear and high shear bearing applications
Mobil SHC™ Rarus Series	Supreme-performance air compressor lubricants primarily intended for the lubrication of severe-duty rotary screw and vane air compressors
Mobil Polyrex™ EM Series	Premium greases specially formulated for electric-motor bearings, with advanced thickener formulation for improved bearing performance and protection for long electric-motor life
Mobil SHC Cibus™ Series	Food-grade applications—outstanding-performance hydraulic, compressor, gear, and bearing oils designed to provide outstanding equipment protection, long oil life, and problem-free operation