

# Heavy-duty materials conveyors

**Challenge:** **Heavy-duty materials conveyor reliability.** Repairs and even routine maintenance are time-consuming and costly due to the number of lube points and remote or difficult access. Conveyor drives are often exposed to harsh, outdoor conditions. Failures can lead to extended plant outages and productivity losses.

**Solution:** **Protect your materials-conveying equipment with synthetic lubricants** designed to operate in extreme temperature ranges, extend maintenance intervals, reduce wear and equipment failures, and improve equipment reliability and productivity.

Compared to conventional lubricants, Mobil SHC™ lubricants can provide:



**Safety**

- Reduced personnel exposure to hazardous maintenance activities



**Environmental Care**

- Reduced lubricant consumption
- Reduced used lube disposal



**Productivity**

- Fewer breakdowns and repairs
- Reduced routine maintenance costs
- Gear drive energy-efficiency power savings
- Enhanced productivity due to fewer conveyor breakdowns

**Industries**

- Cement mills
- Mines
- Power generating stations
- Pulp and paper
- Quarries
- Steel mills

**Key applications**

- Small- to medium-size gear reducers with parallel and right angle shafts
- Head and tail shaft bearings
- Couplings



\*Visit [mobil.com/shc](http://mobil.com/shc) 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.

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## Products

- **Mobil SHC™ 600 Series oils\***
  - Gear reducers (internal backstops)
- **Mobil SHC™ Gear Series oils\***
  - Gear reducers (external backstops)
- **Mobilith SHC™ 220 and 460 greases**
  - Head and tail shaft bearings
- **Mobilith SHC™ 460 grease**
  - Belt support bearings
- **Mobilith SHC™ 1500 grease**
  - Couplings

## Key equipment builder approvals

Mobil SHC™ lubricants are endorsed by leading materials conveyor builders, including:

- Cedarapids Inc.
- Baldor-Dodge-Reliance
- Mizuno Hearth Equipment Ind. Co. Ltd.
- Regal Beloit (Emerson)
- SWE Eurodrive
- The Rexnord-Falk Corporation
- The Rexnord Corporation

Visit [mobil.com/industrial](http://mobil.com/industrial) to search by equipment builder name for specific recommendations.



## Proof of Performance

**Mobilgear SHC™ 320 synthetic gear oil helps steelmaker extend conveyor gear reducer**

Please visit [mobil.com/shc](http://mobil.com/shc) to explore other success stories and find out how Mobil SHC synthetic lubricants can energize your business.



\*The energy efficiency design is a trademark of Exxon Mobil Corporation. Energy efficiency relates solely to the fluid performance when compared to conventional (mineral) reference oils of the same viscosity grade in circulating and 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 application.

Note: Productivity Pointers are provided for the use of ExxonMobil and our authorized distributors. Schematics and product series recommendations are intended as a general guide. Please visit [mobil.com/industrial](http://mobil.com/industrial) for specific builder equipment recommendations.

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