

# Pump jack “horsehead”

**Challenge:** Pump jacks operate on long service intervals under adverse conditions in remote areas. Temperatures from -40°C to +40°C. Water and dirt contamination. High and/or shock loads. Gearboxes account for half of pump jack failures and many are due to inadequate lubrication.

**Solution:** The high shear stability and viscosity index of Mobil SHC™ synthetic oils protect gear drives from frictional losses and wear during much longer service intervals and across temperature extremes. Operators can enjoy fewer oil changes, fewer breakdowns and less maintenance/repair work in these remote locations.

Compared to conventional lubricants, Mobil SHC lubricants provide:



**Safety**

- Reduced maintenance personnel exposure
- Fewer trips to remote locations repairing equipment



**Environmental Care**

- Reduced used oil generation and disposal
- Potential CO<sub>2</sub> emissions reduction due to lower friction



**Productivity**

- Fewer breakdowns and repairs
- Reduced maintenance costs
- Reduced energy costs

**Industries**

- Onshore oil and gas production

**Key applications**

- Speed reducer gear drive
- Bearings, brace pin, mid axle tree and break grease points

**Products**

- Mobil SHC™ 600 Series or Mobil SHC™ Gear Series oils
  - Gear drives
- Mobilith SHC™ greases
  - Bearings, pins



\*Visit 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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## Key equipment builder approvals

Mobil SHC™ lubricants are endorsed by leading pump jack builders, including:

- GE Lufkin
- Weatherford

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



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 recommendations.

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