

# Mobil SHC 524 synthetic hydraulic oil helps increase oil drain intervals by 700%\*



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## Bridge crane | Steel mill | Italy

### Situation

An Italian Steel mill has operated bridge cranes under extremely severe environmental conditions with temperatures up to 120°C. The hydraulic systems on its cranes were originally lubricated with hydraulic oil that degraded rapidly, forming deposits and oil sludge which caused 2-3 unscheduled production outages annually. The oil drain intervals were around 4,000 hours.

### Recommendation

To optimize oil drain intervals and decrease oil deposit and sludge formation, ExxonMobil recommended **Mobil SHC™ 524**, a synthetic hydraulic oil with excellent high temperature performance and oxidation resistance.

**Signum<sup>SM</sup> Oil Analysis** was used to monitor oil condition and ensure a safe increase of oil drain intervals.

### Benefit

The company reports that switching to **Mobil SHC 524** has helped increase oil drain intervals of the bridge cranes safely from 4,000 to 32,000 hours compared to the previous mineral oil.

**32,000**  
hours of ODI\*

#### Industrial Lubricants



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#### Safety

Planned maintenance was decreased helping customer to reduce employee interaction with equipment and diminish associated injury risks.

#### Environmental Care

Reduction in oil consumption has helped steel mill to decrease waste oil generated for disposal\*\*.

#### Productivity

Reduction of maintenance, as a result of the extended oil drain intervals, has decreased oil consumption and led to a reduction in downtime, creating savings of approximately €9,800.

\* This proof of performance is based on the experience of a single customer. Actual results can vary depending upon the type of equipment used and its maintenance, operating conditions and environment, and any prior lubricant used.

\*\* Visit [mobilindustrial.com](http://mobilindustrial.com) to learn how certain Mobil-branded lubricants may provide benefits to help reduce environmental impact. Actual benefits will depend upon product selected, operating conditions and applications.

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