



## Mobil Synthetic Oven Lube 1090

Mobil industrial , United States

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### Product Description

Mobil Synthetic Oven Lube 1090 is a supreme performance synthetic high temperature lubricant designed specifically for lubrication of hot conveyor chains in drying ovens and similar severe applications. This product is formulated using a carefully balanced blend of high-molecular-weight synthetic hydrocarbons and a synthetic ester base fluid plus very effective anti-wear additives. It does not contain silicone. Compared to mineral oil and conventional chain lubricants, Mobil Synthetic Oven Lube 1090 reduces carbon build-up and extends cleaning intervals.

Mobil Synthetic Oven Lube 1090 is used in all tough, high temperature chain applications. The lubricant can be used in paint oven operations because there is no silicone to contaminate components prior to painting and to cause fish-eye imperfections in the paint surface. Mobil Synthetic Oven Lube 1090 can be fed to the chain automatically or by hand. Bijur Lubricating Corporation has approved the product for use in Bijur lubricating systems.

### Features and Benefits

The Mobil brand of synthetic lubricants is recognised and appreciated around the world for its innovation and outstanding performance. The molecular design synthetic products specially chosen for use in the Mobil Synthetic Oven Lube 1090 demonstrate the continuing commitment to using advanced technology to provide outstanding products. A key factor in the development of Mobil Synthetic Oven Lube 1090 was the close contacts between our scientists and application specialists with key OEMs to ensure that our product offerings will provide exceptional performance in the continually evolving industrial equipment designs.

Mobil Synthetic Oven Lube 1090 was specifically designed to meet the critical high temperature needs of a variety of industrial chain drives where mineral-based and other synthetic products were not able to perform satisfactorily. Mobil Synthetic Oven Lube 1090 offers the following features and potential benefits:

| Features                                    | Advantages and Potential Benefits  |
|---|--|
| Outstanding high-temperature performance    | Keeps chains clean and free of carbon build-up with resulting reduced maintenance costs and increased productivity                                       |
| Excellent anti-wear protection              | Significantly reduced wear of chain, pinion, bearings<br>Fewer stoppages for repairs and component changes leading to lower maintenance and labour costs |
| Reduced lubricant consumption and potential | Lower energy consumption reduces operational costs   |
| Less smoke produced                         | Improved operational safety  |

### Applications

Application Considerations: Before changing to Mobil Synthetic Oven Lube 1090, existing deposits on the chains should be removed, if practical, to ensure optimum performance of the Mobil product. Application nozzles should be free from deposits and properly positioned. Lubricant feed rates should be monitored to prevent deposit formation and to control lubricant consumption.

Mobil Synthetic Oven Lube 1090 is suitable for the lubrication of hot conveyor chains in drying ovens and tenter frames used in applications such as:

- Fibre glass insulation manufacture

- Particleboard, plastics and textiles manufacture
- Paint oven operations

## Properties and Specifications

| Property   |         |
|--|---------|
| Grade  | ISO 220 |
| Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445 | 22      |
| Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445  | 210     |
| Viscosity Index, ASTM D2270                                | 126     |

## Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.aspx>

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