



# PRODUCT DATA SHEET



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## SYNTHETIC HIGH TEMPERATURE CHAIN LUBRICANT

**Synthetic High Temperature Chain Lubricant**, commonly known as Bel-Ray High Temperature Lubricant 81, is an excellent high temperature chain lubricant for use in ovens up to 260°C (500°F). **Synthetic High Temperature Chain Lubricant** is a synthetic base fluid combined with an excellent additive package, resulting in excellent thermal and oxidative stability along with a high film strength that reduces friction and wear. **Synthetic High Temperature Chain Lubricant** penetrates for maximum protection of sprockets, links, and pins and bushings.

### *Applications*

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- ◆ Bearings, chains and conveyors in tenter frames, drying ovens and curing ovens

### *Features and Benefits*

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| ◆ Synthetic formula | Extends bearing, chain and conveyor life. |
| ◆ Thermal stability | Less carbon residue.                      |

### *General Description*

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**Synthetic High Temperature Chain Lubricant** will protect high temperature chains from wear, assuring maximum chain life. Its outstanding lubricity will often substantially reduce the frictional forces on chains, resulting in marked reduction in amperage draw of the driving motor. Using an ammeter that will activate the automatic lubricator is an excellent method of conserving lubricant and assuring a properly protected chain.

Among the properties which contribute to the superior performance of **Synthetic High Temperature Chain Lubricant** is its exceptional ability to penetrate into the smallest crevices, assuring complete lubrication of all chain parts. Furthermore, this exceptional fluid is self-cleaning. If the chain becomes dry, leaving a small amount of residue, when re-applying it acts as a solvent, dissolving its own residue. To properly lubricate a chain, the lubricant must penetrate to the bearing surfaces of the pin, bushing and rollers. Its ability to self-clean and penetrate guarantees chain protection.

### *Product No. 59590*

# SYNTHETIC HIGH TEMPERATURE CHAIN LUBRICANT

## TYPICAL PROPERTIES

<b><u>Product No.</u></b>	<b><u>59590</u></b>
ISO Viscosity Grade	150/220
Viscosity, ASTM D445	
@ 40°C, cSt	184
@ 100°C, cSt	15.1
Viscosity, ASTM D2161	
@ 100°F, SUS	978
@ 210°F, SUS	80.2
Viscosity Index, ASTM D2270	78
Pour Point, ASTM D97	
°C	-29
(°F)	(-20)
Flash Point, ASTM D92	
°C	282
(°F)	(540)
Useful Temperature Range	
°C	-23 to 260
(°F)	(-10 to 500)
Specific Gravity, ASTM D1298, 60/60°F	0.964
Color	Clear Yellow