



Selection Process & Application Guidelines for LE's Oven Chain Lubricants

Selection Process

Questions To Ask

- ✓ How is the lubricant being applied?
- ✓ At what temperature is it being applied?
- ✓ How frequently is it being applied?
- ✓ How hot is the chain when operating?
- ✓ Does the current lubricant solution have solids in the formulation?
- ✓ How is the current lubricant solution working?
- ✓ Is an H1 lubricant needed?

If additional help is needed after collecting this information, contact LE's Technical Services.

Application Guidelines

Almasol® High Temperature Chain Lubricant (2799)

Suitable for application to hot chains without interrupting production.

- Should be applied at temperatures between 121-246°C (250-475°F)
- Good for operating temperatures of 93-482°C (200-900°F)
- Select Almasol 2799 over Almasol 2710 when application temps are above 79°C (175°F) or to avoid having to shut down production.
- Use only on moving chains
- Contains solids and must be agitated or stirred just prior to application
- If used in an automatic lubrication system, it must have an agitator to suspend solids

Almasol® Oven Chain Lubricant (2710)

USDA H2 lubricant

- Can be applied at temperatures up to 79°C (175°F)
- Good for operating temperatures of 93-482°C (200-900°F)
- Carrier comes off quickly around flash point.
- Contains solids and must be agitated or stirred just prior to application
- If used in an automatic lubrication system, it must have an agitator to suspend solids

Almasol® Smokeless Chain Lubricant (2705)

USDA H2 lubricant can be applied to hot chains without interrupting production.

- Can be applied at room temperature, but for best results, apply at 121-246°C (250-475°F)
- Good for operating temperatures up to 482°C (900°F); will not smoke at temperatures up to approximately 288°C (550°F).
- Use only on moving chains
- Contains solids and must be agitated or stirred just prior to application
- If used in an automatic lubrication system, it must have an agitator to suspend solids

Ovenworx™ H1 Syn Chain Lubricant (4061)

NSF H1 lubricant can be applied to hot oven chains without interrupting operation.

- Can be applied at temperatures up to 288°C (550°F)
- Good for operating temperatures up to 204-288°C (400-550°F)
- Leaves soft lubricating residue, which can build up
- Suitable for automatic lubrication systems

Monolec® High Temperature Oven Chain Lubricant (9965)

Synthetic USDA H2 lubricant

- Can be applied at temperatures up to 288°C (550°F)
- Good for operating temperatures up to 204-288°C (400-550°F)
- Leaves soft lubricating residue, which can build up
- Suitable for use with automatic lubrication systems

Synolec® Lubricant (9963)

Synthetic lubricant

- Can be applied at temperatures up to 232°C (450°F)
- Good for operating temperatures up to 204-232°C (400-450°F).
- Above 204°C (400°F) will evaporate quickly, but comes off clean
- Can be applied easily with standard equipment – spray, drip applicator or brush



Oven Chain Lubricants at a Glance

PRODUCT	INCLUDES PROPRIETARY ADDITIVE	H1 Food Grade	WORKS IN AUTO LUBE SYSTEMS	SYNTHETIC	CONTAINS SOLID ADDITIVE TECHNOLOGY
Ovenworx™ H1 Syn Chain Lubricant (4061)		✓	✓	✓	
Monolec® High Temperature Oven Chain Lubricant (9965)	✓ MONOLEC		✓	✓	
Synolec® Lubricant (9963)	✓ MONOLEC		✓	✓	
Almasol® High Temperature Chain Lubricant (2799)	✓ ALMASOL		*	✓	✓
Almasol® Oven Chain Lubricant (2710)	✓ ALMASOL		*	✓	✓
Almasol® Smokeless Chain Lubricant (2705)	✓ ALMASOL		*	✓	✓

*Will only work in an automatic lubrication system equipped with an agitator to suspend the solids prior to application.

Additional Information

For more information about oven chain lubrication, see the LE white paper [Improving Oven Chain Lubrication](#).