



H1 Machine Oil (6751)

Soft Drink Bottler – Michigan

Angelus Seamer

- **Reduced operating temperatures 42°F**

Customer Profile

A major bottling plant located in Michigan has been in business for 21 years and an LE customer for 8 years.

Application

They use an Angelus Seamer, model 121L, for seaming 12 ounce cans in the plant. This equipment runs 22 to 24 hours a day, 6 days a week.

Challenge

While using a commercial grade oil, there were concerns for parts life on the equipment, the temperature of the equipment, and that the oil was not food grade.

LE Solution

The local LE lubrication consultant recommended LE's H1 Machine Oil (6751), which was developed specifically for use in the Manzel Lubrication System of Angelus Seamers. It contains ashless additive technology that provides superior dispersant capabilities to completely suspend water in oil. It also has superior anti-rust properties and resists foaming.

Results

The maintenance manager, states "We got 8 years on any components in contact with LE's 6751. This is two years more than expected by the manufacturer on parts including the rolls, shafts and bushings. Production on these parts was in excess of 43 million cans per spindle, and wear was less than 1/2 of 1/1000 of an inch.

During the ninth year, a major overhaul was performed on the Angelus Seamer and only marginal wear was found.

The temperature on the Angelus Seamer dropped from 168°F (75.6°C) while using the commercial grade oil to 126°F (52.2°C) with LE's 6751 H1 Machine Oil. This is a 42°F drop. This indicates a substantial reduction in friction and wear.

Thank you to the maintenance manager, and to Matt Pressnell, LE lubrication consultant (pictured), for providing the information used in this report.





Based on actual user experience. Individual results may vary. Not intended to supersede manufacturer specifications.

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