720 CCG Delivers “Eggcellent” Lubrication Performance

Food & Beverage Industry
Chesterton 292 PDS, 720 CCG Chain Cable Gear Lubricant, and 723 FG Sprasolovo™
Case Study 071 IL/MRO

Challenge

In an egg processing facility 14,000 raw eggs are conveyed through steam cookers per hour using chain drives and open gear drives. The facility was having an issue with load-on gears that squeezed out conventional food-grade grease. Residual heat caused oil separation, resulting in dripping and contamination.

The facility wanted to reduce the dripping and contain the contamination that resulted in many rejected runs.

Solution

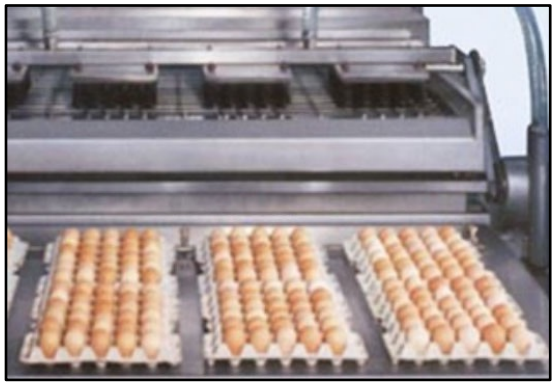
The gear drive was cleaned using Chesterton 292 Precision Degreasing Solvent (PDS) followed by 723 FG Sprasolvo™ Oil. 720 CCG (diluent version) was sprayed onto the gears using a trigger sprayer and allowed to coat the gears uniformly.

720 CCG is designed with a calcium sulfonate complex thickener technology and polymer modified synthetic oil. As a result, this lubricant holds up under extreme pressure.

Results

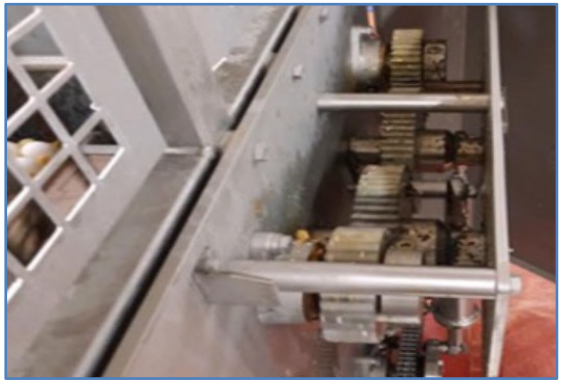
The 720 CCG lubricant easily flowed onto the gears and remained as a slightly tacky fluid gel that did not fling off or drip during operation under extreme pressure and temperature.

Use of 720 CCG significantly reduced rejected runs and improved the plant’s efficiency in meeting its targets.



Steam cookers require lubrication that can hold up under pressure and heat.

Chesterton 720 CCG-diluted was sprayed with a trigger sprayer.



The Chesterton solution eliminated the contamination to help the plant meet its goals.

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