

Mobiltemp SHC™ 460 Special synthetic grease helps plant enhance oven conveyor productivity*



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Oven conveyor system | YS Success Industries Sdn Bhd | Prai Selatan, Pulau Pinang, Malaysia

Situation

The oven conveyor system at YS Success Sdn Bhd operates at temperatures of up to 160°C (320°F), which caused the conventional mineral grease to soften, bleed out of the conveyor bearings and contaminate finished products. Additionally, deposits began to form on the bearings and created erratic, jerky movements in the conveyor system, which affected the paint job quality of the auto spray units. As a result, finished products were rejected at a rate of 50%. To help solve these issues, the company approached ExxonMobil to identify a lubricant solution capable of enhancing the productivity and reliability of its oven conveyor system.

Recommendation

ExxonMobil engineers recommended switching to **Mobiltemp SHC™ 460 Special** high-performance synthetic grease. Formulated with a synthetic base fluid and clay thickener, **Mobiltemp SHC 460 Special** provides outstanding grease structural stability to prevent softening and bleeding, while the synthetic oil maintains its viscosity and resists breakdown and carbonized deposits.

Impact

After transitioning to **Mobiltemp SHC 460 Special** synthetic grease, YS Success was able to eliminate grease bleeding that resulted in product contamination and jerky conveyor movements during the drying process.

Benefit

The company reports that **Mobiltemp SHC 460 Special** synthetic grease helped lower the rejection rate of finished products to less than 5 percent and reduce paint consumption by 33 percent.

Company-estimated
annual savings of
US \$66K

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*This Proof of Performance is based on the experience of a single customer. Actual results can vary depending upon the type of equipment used and its maintenance, operating conditions and environment, and any prior lubricant used.

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