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## **USER REPORT**

**COMPANY:** GUNSTONES  
**ENGINEER:** NEIL HAVENHAND  
**APPLICATION:** BREAD PLANT 2  
**PRODUCT:** FOMBLIN CL1800F

Bread Plant 2 at Gunstones Bakery (part of Northern Foods group) operates with running temperatures between 225°C & 270°C.

New oven chains were fitted and lubricated each week with a graphite based product. After 2 days the graphited product would burn off leaving the oven squealing horribly, until such time the oven could be stopped and cooled down to reapply the graphite. Three types of graphite products were tried and none were found to work successfully. Eventually a synthetic type oil was applied via a drip feed lubricator constantly dripping oil onto the chains, as they would only stop squealing for 2 hours without the oil. This was not an ideal lubrication method and also became a cost issue as in excess of 25L of the oil had to be used every week.

Silcoms, the chain manufacturers, could not find any problem with the chain and therefore asked Performance Fluids who are specialists in oven chain lubrication to contact Neil.

Following a site visit when an inspection on the chain was done Performance Fluids recommended the trial the Fomblin CL1800F which when applied, immediately silenced the noise and reduced the Amp reading.

The chains now run quietly, smoothly and with a constant amp reading. Re-lubrication intervals are now every 5 weeks and enabled the oven to run continuously in the weeks prior to the Christmas period 2009.

An additional benefit is that the Fomblin CL1800F can be applied to hot or cold chains and is NSF H1 registered so is acceptable for incidental food contact.

**February 2010**