



Pyroshield® Syn Open Gear Grease (5182)

City of Auburndale – Florida

Bull Gears on Clarifiers

- Stays in place

Customer Profile

The City of Auburndale is located in West Central Florida and maintains its own wastewater treatment plant.

Application

A specialty grade spray lubricant was being used on the bull gears on the clarifiers. These gears are exposed to a variety of environmental conditions and because of the nature of waste processing, they are also exposed to caustic materials.

Challenge

The specialty grade spray lubricant did not adhere to the gears as was expected. Consequently, exposure to the elements prompted the gears to rust and corrode.

LE Solution

In November of 1985, the local LE lubrication consultant recommended Pyroshield® Syn Open Gear Grease (5182). This lubricant was developed for open gears which operate in the most severe service conditions. It is an extreme pressure (EP) lubricant which is exceptionally adhesive and ideal for open gears in both mobile and stationary equipment which is used inside and outside in both summer and winter.

Results

Pyroshield 5182, once applied, adhered very well. The gears were wet and rusty, and Pyroshield 5182 impressed everyone with its ability to track around the gear and stay in place. The mechanics like it because it is easy to apply



Bobby Tillman, director of the City of Auburndale (left), and Raymond Allred, retired (right), standing above one of the bull gears

with a standard caulking gun. They feel the lubricant will extend the gear life with trouble free operation and reduce lubricant consumption because it adheres better and will last a long time. A one month relubrication cycle has now been established with Pyroshield 5182.

Thank you to Bobby Tillman, director of the City of Auburndale, and to Gary Jacobs, LE lubrication consultant (pictured), for providing the information used in this report.





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

SIC 4952
LI70009 01-97

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