



Duolec® Vari-Purpose Gear Lubricant (1605)

Mallard Creek Polymers, Inc. – Charlotte, N.C.

Chemineer Agitator Drive Gearbox

- Reduced amperage by 10%

Customer Profile

Mallard Creek Polymers manufactures paper coatings, adhesives, polymers for woven and nonwoven industries. They have been an LE customer since 1994.

Application

Mallard Creek uses a Chemineer agitator drive gearbox model T-310 for their waste treatment tank. The gearbox has a 1.5 hp motor operating at 1160 rpm.

Challenge

While using a commercial grade ISO 220 gear oil, Mallard Creek Polymers was experiencing water in the oil and drain intervals were short, requiring an oil change every two to three months.

LE Solution

The local LE lubrication consultant recommended they convert one gearbox to Duolec® Vari-Purpose Gear Lubricant (1605), which is formulated for heavy-duty service in industrial gearing. It contains Duolec®, LE's

exclusive wear-reducing additive that is long lasting in service, water resistant and non-foaming. It protects against corrosive wear and can reduce overheating.

Results

After installing Duolec 1605, it was noted that the noise reduction in the equipment was “noticeable”, and the temperature had dropped. Duolec 1605's excellent water separation characteristics, they are able to easily drain the water from the gearbox. There was also a 10 percent amperage reduction after converting to Duolec 1605.

Based on the excellent results of Duolec 1605 in this one gearbox, they converted all 12 gearboxes. Randy Greene, maintenance supervisor is still evaluating the drain intervals on these gearboxes, as they are still using the initial fill of Duolec 1605.

Thank you to Randy Greene, maintenance supervisor, and to Samuel Hollingsworth, LE lubrication consultant (pictured), for providing the information used in this report.





Duolec® is a registered trademark of Lubrication Engineers, Inc.

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

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