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## SALES BULLETIN

**To:** All Bell & Gossett Representatives  
**Subject:** Bulletin #7378 – B&G Centrifugal Pumps, Additional Information Regarding Switch to Polyurea Based Grease (Final Update)  
**Date:** December 4, 2014

Yesterday the factory in Morton Grove completed the transition to polyurea based grease as the standard for all pumps with re-greasable bearings. This bulletin will serve as the final update for the change and will answer some of the questions we've received since the migration from lithium based grease to polyurea based grease was first announced. To review additional information from the previous bulletins, please look for the following on the B&G Rep website:

**Bulletin #7360** – B&G Conversion to Polyurea based grease and Conversion to Dry Replacement Bearings for 1510, e-1510, and Obsolete VSC/VSCS Pumps. **Date: October 14, 2014**

**Bulletin #7375** – B&G Centrifugal Pumps Additional Information Regarding Switch to Polyurea Based Grease. **Date: November 20, 2014**

### Is checking the color of the grease a reliable way to tell the difference between lithium and polyurea based greases?

NO! Different manufacturers supply different colored greases, so simply checking the color is NOT a 100% reliable way to determine which type of grease is present. Prior to December 1, 2014, the lithium based grease added in Morton Grove was tinted yellow, and as of that date the polyurea based grease supplied by the factory will be tinted blue but this will not help identify grease that was added in the field or that has changed color with time and use.

***Right:** Morton Grove factory associate Jevon Stewart demonstrates a bearing he has just packed with blue tinted polyurea based grease using one of two new grease dispensing stations added at the factory to support the grease migration.*



**What is the best way to tell which grease came with a product or part?**

On the left is an example of the revised “run dry” warning label now used on all re-greaseable pumps and replacement bearing frames built in Morton Grove beginning December 1, 2014. This label indicates that the pump or frame is built with polyurea based grease. Morton Grove pumps or frames **WITHOUT** this new label were built before Dec 1<sup>st</sup> and have lithium based grease. The only exception is VSX Series pumps, which have always utilized polyurea based grease.



Replacement bearing frames will actually get three labels, one on the bearing frame so it is marked, one on the outside of the box so the B&G Rep can see that the frame inside has polyurea based grease, and one loose label that can be put over the standard “run dry” warning label on the existing pump guard or casing to note the change to polyurea based grease.

**What should you do if greases are accidentally mixed in the field or if you cannot tell which type of grease is present?**

When greases are accidentally mixed, there is no longer any way to reliably predict performance or service interval requirements. This is a risk that must be eliminated by fully cleaning and removing any mixed or unknown greases. After a full cleaning, the bearings should be re-packed with a known grease as recommended in the updated B&G IOM. To review one of the new updated IOM’s with enhanced grease specifications please download the new e-1510 manual at:

<http://documentlibrary.xylemappliedwater.com/wp-content/blogs.dir/22/files/2014/03/P2001406C.pdf>

Note that the change from lithium based grease to polyurea based grease will increase the maximum normal bearing housing temperature from 180° F to 225° F (82° C to 107° C) and can potentially increase lubrication intervals up to 25%. This permits pump intervals to match motor intervals so that both can be lubricated at the same time.

**How can you save both time and money while keeping on top of the grease change?**

It is often less time consuming and more economical to replace entire bearing frame assemblies on Series 1510 and e-1510 pumps, rather than re-building the existing assembly with a new set of bearings. Bearing frame assemblies arrive from the factory ready to install, do not require packing in the field, and migrated to polyurea based grease on December 1, 2014 (the same date the grease in new pumps changed). For your convenience a list of bearing frame assembly part numbers is included below.

## SERIES 1510 / e-1510 BEARING FRAME ASSEMBLY PARTS LIST

#	With standard carbon steel shaft and stainless steel sleeve	1510/e-1510 Replacement Bearing Frame Assemblies
1	XS	185150
2	SM	185011LF
3	LG	185014LF
4	XL	185320LF
#	With optional stainless steel solid shaft	1510/e-1510 Replacement Bearing Frame Assemblies
5	XS	185151
6	SM	185013
7	LG	185016

## MEMBERS OF THE MORTON GROVE GREASE CHANGE TEAM

*Pictured from left to right:* Tom Noack, Babu Pothen, Ramon Suerte (Project Leader), Jerry Ben, Tom Andreou, Bruce Burkelman, Linda Doyle, Tammy Moskal, Frank Tornabene, Rajan Patel, Don Diel, and Jerry Wiegele.

**Not Pictured:** Tom Abbott and Ricky Justus.

*The team is posed next to one of two new polyurea grease dispensing stations installed for this project. This station is located in the Mid-Range Pump section of the Morton Grove factory.*



If you have any questions please feel free to contact me directly.

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