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### APPLICATIONS ENGINEERING NEWSLETTER

## Bearing Lubrication Instructions for 300 Series End Suction Frame Mounted Pumps

Grease lubrication is standard for the Aurora End Suction Frame Mounted Pumps. Regreaseable bearings will require lubrication replacement and this can be accomplished by using the lubrication fitting at each bearing. Lubricate the bearings at regular intervals using high quality grease. The initial bearing lubrication at Aurora uses Chevron SRI Grease NLGI 2 (polyurea thickener). We recommend this grease for follow-up relubrication. Most major brands of Grade No. 2 ball bearing grease are satisfactory for pump operation in both wet and dry applications. Be aware that mixing of different brands of grease should be avoided due to possible chemical reactions between the brands that could damage the bearings. A thorough flushing of the old grease with the new is highly recommended to minimize this potential incompatibility. Avoid grease of vegetable or animal base that can develop acids, as well as grease containing rosin, graphite, talc or other impurities. Under no circumstances should grease be reused.

In dry locations, each bearing will need lubrication at least every 4,000 hours of running time or every 6 to 12 months, whichever is more frequent. In wet locations the bearings should be lubricated at least after every 2,000 hours of running time or every 4 to 6 months, whichever is more frequent. A unit is considered to be installed in a wet location if the pump and motor are exposed to dripping water, to the weather, or to heavy condensation such as found in unheated and poorly ventilated underground locations.

To lubricate, inject grease into the lubrication fitting at the bearing cap near the coupling and also at the top of the bearing frame. Two to three shots of grease from a standard grease gun should be sufficient. The excess grease will drop into the frame.

**Note:** Aurora Pump Distribution Center stocks Chevron SRI #2 grease in 14 oz. tubes for grease guns under Aurora Part Number 384-0002-639.

