

Belvac Production Machinery Technical Bulletin

Information for Customers Operating and Maintaining Belvac Machines

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Dodge Reducers Best Practices

As part of Belvac's effort to keep our customers informed, we have important information regarding increased performance for Dodge Gear Reducers.

Dodge has updated their oil recommendation relative to gearbox performance and a broader range of ambient temperatures for their larger Model 148 units. Effective November 2007, all Model 148 Dodge gear reducers supplied on Belvac Necking Machinery were supplied with ExxonMobil SHC 634 synthetic oil. This upgrade will suit all machine configurations with ambient temperatures within the production environment as high as 120° F (49° C).

Proper preventive maintenance (PM) practices are essential for geared mechanisms for maximum performance, longevity and sustainability. Belvac recommends the following practices be built into each customer's PM program:

- 1) Change gearbox oil to ExxonMobil SHC 634, with yearly drain and refill.
- 2) Add quarterly gearbox oil sampling as part of the machine Preventive Maintenance program to observe any trends. This is especially important for customers in harsh environments (ambient back-end temperatures in excess of 110° F).
- 3) Re-grease the input shaft bearing quarterly (every three months) using five (5) shots of Mobilith AW2.

For those customers with high ambient temperatures, or those desiring the benefit of external cooling, Belvac offers a cooling fan kit (Ref. 2755906) for the Model 148 reducer, which has been shown to reduce the temperature by 20° F (6.7° C).

*Contact Belvac Sales or Service Representatives for additional information.
All Technical Bulletins may be viewed on Belvac's web site, www.belvac.com.*

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