

Placing Boom Motor Grease, Maintenance Instructions

The WEG type electric motors used with Alliance Placing Booms, have long life bearings that can go over 20,000hrs prior to requiring lubrication, however when in storage must have the following:

- a) Run once a month, or if in storage then manually rotate shaft through the coupling window at least 5 revolutions.
- b) If stored without using over 6 months, then the below regreasing procedures should be followed. 13 grams grease total capacity per bearing.
- c) If stored without using over 2 years, then the motor must be disassembled and bearings removed for replacement, or washed/ inspected/ relubricated according to below instructions.

8.2.1.2. Motor with grease fitting

To lubricate the bearings with the motor stopped, proceed as follows:

- Before lubricating, clean the grease nipple and immediate vicinity thoroughly;
- Lift grease inlet protection;
- Remove the grease outlet plug;
- Pump in approximately half of the total grease indicated on the motor nameplate and run the motor for about 1 (one) minute at rated speed;
- Switch-off the motor and pump in the remaining grease;
- Lower again the grease inlet protection and reinstall the grease outlet protection.

To grease the motor while running, proceed as follows:

- Before lubricating, clean the grease nipple and immediate vicinity thoroughly;
- Pump the total grease indicated on the motor nameplate;
- Lower again the grease inlet protection.



For lubrication, use only manual grease gun.

8.2.1.3. Compatibility of the Mobil Polyrex EM grease with other greases

The Mobil Polyrex EM grease has a polyurea thickener and a mineral oil thus being compatible with greases that contain:

- Lithium based thickener, lithium-based complex thickener, polyurea thickener and refined mineral oil;
- The used grease must have in its formulation corrosion and oxidation inhibitors.

In general terms, greases with the same type of soap are compatible to each other. However, depending on the proportion of the mixture there may be incompatibility. In such a case, it is not recommended to mix different types of greases without contacting the supplier or WEG beforehand.