

Fan Shaft Bearing Maintenance

Ball Bearings:

Seasonal shutdown and start-up:

When shutting your unit down for an extended period and before starting up after an extended shutdown, always purge the fan shaft bearings with new grease.

Lubrication Schedule:

- **Induced draft products** – Lubricate the bearings at least every three months.
- **Forced draft products** – Lubricate the bearings every 2000 hours of operation or every six months, whichever occurs first.

Greasing:

Bearings should only be lubricated with a hand grease gun or the automatic bearing greaser. When lubricating, purge the old grease from the bearing by gradually adding grease until a bead of new grease appears at the bearing seal.

Type of Grease:

Only use one of the following greases, as they are compatible with the grease installed at the factory:

- Citgo Polyurea MP2™
- Conoco Polyurea 2™
- Exxon Polyurex® EM
- Exxon Unirex N™
- Mobilgrease® AW2
- Shell Alvania RL3™
- SKF LGHP2™
- Unocal 76 Unolife Grease™

Sleeve Bearings:

Start-up:

Prior to start-up and during the first week of operation, the bearing oil cup must be refilled with an industrial-type mineral oil to saturate the wick in the bearing reservoir. After the initial start-up, fill the bearing oil cup every 1000 operating hours or every six months.

Type of Oil:

- 0°F to 110°F - BAC #582628P1, normal temperature range
- -25°F to 30°F - BAC #582627P1, low temperature range



BAC CAUTION TIP:

Sleeve Bearings: Do not use oils containing detergents. Detergent oils will remove the graphite in the bearing sleeve and cause bearing failure.

Ball Bearings: Do not use high pressure grease guns, as they may rupture the bearing seals.