

RECOMMENDED LUBRICANT AND SERVICE SCHEDULE- Rev 16

| PART TO BE LUBRICATED | MANUFACTURER | OIL OR GREASE CAPACITY | RECOMMENDED OIL OR GREASE | SERVICE PERIOD AND QUANTITY |
|---------------------------|---------------------|--|---|---|
| MOTORS | Marathon | (1) | SRI-2 Chevron (2) (3) | 0.5 oz every 4 months |
| | General Electric | | GE D6A2C23 or Mobil Polyrex EM 2 | |
| | Siemens | (1) | Polyurea base #2 | |
| | Baldor/Reliance | (1) | Ployrex EM Mobile (good to -25C) (2) (3) | |
| | Toshiba | (1) | | |
| | TECO - Westinghouse | (1) | Ployrex EM Mobile (good to -25C) (2) (3) | |
| AV FAN HUBS | HPC 1000B HPC1000H | 4 blade hubs/4.0 Liter/6 blade 4.25 liters | Shell Morlina S4 B 150- Synthetic Oil | 12 months |
| AV FAN ROTARY JOINTS | HPC | 1 oz. (30 cc) | Fill bearings with Dow Corning 44 synthetic grease through grease fitting (NLGI 2). Saturate felt oiler in seal with Approvis 55 or | Re-lubricate every 12 months (1). One shot for the grease zert and repack the top bearing and seal by hand |
| AV FAN ROTARY POSITIONERS | HPC | 1 oz. (30 cc) | Dow Corning 44(NLGI 2) (3) (Remove rotary joint and lubricate range spring subassembly) | Re-lubricate every 12 months (1) |
| FAN SHAFT BEARINGS (4) | Hudson | Special Fin Fan bearings | EP-2 or 3 with Lithium soap base | Every 30 days add 10 shots from standard gun or until you see grease purge out lip seals without forcing seals, best to lube when running if possible |
| | Timken | Special Air-Cooler line | | |
| | Dodge | Standard product | | |
| | NTN | | | |
| | SKF | | | |
| | Link-Belt | | | |
| | | All ball or roller bearing flange blocks and pillow blocks | | |

See notes below regarding lubrication of motor bearings

Note: The re-lube information in this chart applies to ball bearings in vertical position motors. If you have a cylindrical roller bearing it will run hotter and require more frequent

Dodge use Unirex N2 in all SCM product and Mobilgrease XHP222 in all Type E product. These are both lithium base greases. See chart below for proper grease compatibility

All "standard product" bearings are ~35% full. It is our recommendation to fill all "standard products" bearings with 100% compatible grease for all vertical air cooler shafts

Notes

- (1) See manufacturer's recommendation
- (2) If lubrication instructions are shown on motor, it supersedes this chart
- (3) Or equivalent may be used
- (4) Hudson and Timken bearings are 100% full at factory

Caution: Do not over-grease motor bearings. Excess grease will get into the windings, which could cause a premature motor failure. Every grease gun is a bit different. ABB-Baldor have developed a unique system of using volume (instead of mass).

- Check how much your grease gun ejects using a common teaspoon or tablespoon
- **0.5 oz. = ~0.7 cubic inches = 2.5 teaspoons = 0.8 tablespoon**

Table 1: Grease Compatibility Generic Chart

| | Aluminum Complex | Calcium Complex | Calcium Sulfonate | Lithium 12-Hydroxy | Lithium Complex | Polyurea | Clay |
|-------------------------|------------------|-----------------|-------------------|--------------------|-----------------|----------|------|
| Aluminum Complex | C | I | M | I | I | M | I |
| Calcium Complex | I | C | M | I | M | C | I |
| Calcium Sulfonate | M | M | C | M | C | I | I |
| Lithium 12-Hydroxy | I | I | M | C | C | M | I |
| Lithium Complex | I | M | C | C | C | M | I |
| Polyurea (shear stable) | M | C | I | M | M | C | M |
| Clay | I | I | I | I | I | M | C |

C: Compatible
M: Moderately Compatible
I: Incompatible