

RECOMMENDED LUBRICANT AND SERVICE SCHEDULE- NCS-Inc 2023				
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)	Polyrex EM Mobile (good to -40C) (2)(3)	
	Toshiba	(1)		
	TECO - Westinghouse	(1)	Polyrex EM Mobile (good to -40C) (2)(3)	
AV FAN HUBS	HPC 1000B HPC1000F	4 blade hubs/4.0 Liter/6 blade 4.25 liters	Shell Mortina 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 equivalent.	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