

RECOMMENDED LUBRICANT AND SERVICE SCHEDULE- Rev 14

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)	SHELL Alvania R3 (1)	
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 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)	HPC #50080 (2-15/16)	7.14 oz. (214 cc)	EP-2	Every 30 days add 10 shots from standard gun or until you see grease purge out lip seals
	HPC #50081 (2-15/16)	3.49 oz. (104 cc)		
	HPC #50082 (2-15/16)	4.52 oz. (135 cc)		
	HPC #50083 (2-7/16)	2.05 oz. (61 cc)		
	HPC #50084 (2-7/16)	2.65 oz. (79 cc)		
	HPC #50081HT (2-15/16)	2.80 oz. (84 cc)	Customer determined-High Temp	
	Dodge SCM-4 (2-15/16)	2.06 oz. (61 cc)	EP-2	
	Dodge SCM-4 (2-7/16)	1.8 oz. (54 cc)		
	Dodge Type E (2-15/16)	7.4 oz. (219 cc)		
Dodge Type E (2-7/16)	5.4 oz. (160 cc)			

See notes below regarding lubrication of motor bearings

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

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

The Dodge SCM and Type E bearings have purge-able grease seals. They are ~35% full from Dodge. It is our recommendation to charge the new Dodge bearings with 100% compatible grease

Table 1: Grease Compatibility Generic Chart

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 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**

	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