



BASIC MAINTENANCE SCHEDULE FOR ICE MAKERS

INTRODUCTION

Regular maintenance of North Star ice makers will ensure years of trouble free service. North Star has developed a recommended schedule for maintaining our ice makers which is outlined below including a list of recommended lubricants.

DAILY

1. Inspect the water circulation system, clean the water rings and check for plugged nozzles, drain the water makeup tank and refill with fresh water.
2. Check sight glass on top center gearbox for proper oil level.
3. Check sight glass on the oil return line to ensure strainer is not obstructed on halocarbon systems.

MONTHLY

1. Check for oil accumulation in evaporator on ammonia systems. Deoil if required.
2. Check for scale or rust on evaporator freezing surface.
3. Check for oil leaks on speed reducer.

EVERY SIX (6) MONTHS

1. Check oil level in speed reducer. Add oil if necessary, see list for recommendations.
2. Check top bearing play and gear backlash.
3. Check freezing surface for drum grooves.

ANNUALLY (EVERY 12 MONTHS, IN ADDITION TO ALL OF THE ABOVE)

1. Change oil in speed reducer and top center gear housing.
2. Check ice removal tools for wear and proper clearance.
3. Check refrigeration control valve for proper operation.
4. Check motor drive belt for tension and wear.

FIVE YEARS

1. Replace rotor bearings and pinion gear bearings.
2. Check ring and pinion gear for wear and backlash.

LUBRICATION LIST

PART	LUBRICANT TYPE	MANUFACTURER AND PRODUCT
Top Center Gear Housing	GEAR OIL	MOBIL MOBILUBE HD 80W-90
Speed Reducer	WORM GEAR REDUCER OIL	MOBIL SUPER CYLINDER OIL 600W (ISO 460)

Equivalent lubricants are usually available from other manufacturers.

For detailed information, please see the Installation and Service manual provided with each ice maker.