



BY JOHNSON CONTROLS

LIQUID CHILLER LOG SHEETS
YR SCREW

**...an Energy-Saving
approach to your
Service needs...**

Issue Date:
June 30, 2011

Form 160.81-MR1 (611)
Supersedes 160.81-MR1 (801)



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MAINTENANCE REQUIREMENTS FOR YORK YR CHILLERS

| Procedure | Daily | Weekly | Monthly | Yearly | Other |
|---|-------|--------|---------|----------------|---|
| Record operating conditions (on applicable Log Form) | X | | | | |
| Check oil levels | X | | | | |
| Check refrigerant levels | | X | | | |
| Check oil return system operation | | | X | | |
| Check operation of motor starter | | | X | | |
| Check oil heater operation | | | X | | |
| Check three-phase voltage and current balance | | | X | | |
| Verify proper operation/setting/calibration of safety controls ¹ | | | X | | |
| Verify condenser and evaporator water flows | | | X | | |
| Leak check and repair leaks as needed ¹ | | | X | | |
| Check and tighten all electrical connections | | | | X | |
| Megohm motor windings | | | | X | |
| Replace oil filter and oil return filter/driers | | | | X | |
| Clean or backflush heat exchanger (SSS Applications) | | | | X | |
| Replace coolant (After cleaning Hxer - SSS Applications) | | | | X | |
| Replace or clean starter air filters if applicable | | | | X ² | |
| Perform oil analysis on compressor lube oil ¹ | | | | X | |
| Perform refrigeration analysis ¹ | | | | X | |
| Perform vibration analysis | | | | X | |
| Clean tubes | | | | X ² | |
| Perform Eddy current testing and inspect tubes | | | | | 2 - 5 years |
| Lubricate motor | | | | | Refer to manufacturer's recommendations |

For operating and maintenance requirements listed above, refer to appropriate service literature, or contact your local Johnson Controls Service Office. A record of all procedures being successfully carried out (as well as operating logs) must be maintained on file by the equipment owner should proof of adequate maintenance be required at a later date for warranty validation purposes.

¹ This procedure must be performed at the specified time interval by an Industry Certified Technician who has been trained and qualified to work on this type of YORK equipment.

² More frequent service may be required depending on local operating conditions.

