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## **COOLING TOWER 18 POINT MAINTENANCE CHECKLIST**

### MECHANICAL EQUIPMENT SUPPORT SYSTEM

1. Inspect mechanical equipment support and drive shaft guards.

### FAN ASSEMBLY

2. Check fan blade pitch for uniformity and correct adjustment.

3. Check fan blade tip track and tip clearance.

4. Check fan blade hardware for tightness.

### GEARBOX

5. Check gearbox pinion shaft backlash.

6. Check gearbox pinion shaft for radial movement.

7. Check gearbox fan shaft for radial movement.

8. Check pinion and fan shaft bearings for smooth operation.

9. Inspect Oil line and fittings.

10. Check gearbox oil level – replacement oil not included

11. Check adjustment of dip stick or sight glass placard.

12. Inspect gearbox hold-down bolts for tightness. Check if gearbox is dowelled down.

### DRIVESHAFT

13. Inspect rubber driveshaft bushings.

14. Check driveshaft alignment.

### MOTOR

15. Check for smooth operation.

16. Check shaft for radial movement.

17. Grease bearings. (N/A for sealed bearings)

18. Check hold-down bolts for tightness.

