

COOLING TOWER 18 POINT MECHANICAL INSPECTION CHECKLIST

MECHANICAL EQUIPMENT SUPPORT SYSTEM

1. Inspect mechanical equipment support and drive shaft guards.

FAN ASSEMBLY

2. Check fan blade pitch for uniformity.
3. Check fan blade tip track and tip clearance.
4. Check fan blade for loose or corroded hardware.

GEARBOX

5. Check gearbox pinion shaft backlash.
6. Check gearbox pinion shaft for leaks.
7. Check gearbox fan shaft for leaks.
8. Check pinion and fan shaft bearings for smooth operation.
9. Inspect Oil line and fittings for leaks or corrosion.
10. Check gearbox oil level at the gear
11. Check adjustment of dip stick or sight glass placard.
12. Inspect gearbox hold-down bolts for signs of loose hardware. Check if gearbox is dowelled down.

DRIVESHAFT

13. Inspect driveshaft grommets or flex elements.
14. Check driveshaft for loose or missing hardware.
15. Check driveshaft alignment.

MOTOR

16. Check for smooth operation.
17. Check shaft for radial movement.
18. Check hold-down bolts for loose or missing hardware.

NOTE: Pricing does not include blade correction, realignment of driveshaft, or replacement of gear oil or motor grease. These scopes can be completed on a T&M basis when the mobilized crew and available material allows.