COOLING TOWER DEPOT

Is Your GEAR BOX Set For Failure?

Have You Checked Your Oil This Month?

YES!

Great! If your oil level has been checked you are on your way to having zero gearbox issues. If your oil has debris, you may want to change it right away!

NO

Stop right here and go check your oil. Look for debris, and check the oil level. Low oil is one of the most common issues as to why a gearbox will fail.

Does Your Oil Need to be Changed?

NO

YES!

Oil should be changed at 2,500 hours or every 6 months. When looking to change your oil, be sure there are no Extreme Pressure or "EP" additives. They have been proven to cause damage to the internal lining of the gear case over time and will significantly reduce the bearing life.

Have You Done An Oil Analysis This Quarter?

YES!

OK, now we are impressed, you probably should win a maintenance award. Your gearbox is looking to be in great shape!

NO

We won't scold you, were happy that you are checking your oil. We do recommend the Karl Fisher analysis for accurate water content. Every analysis should include viscosity and a total acid number (TAN). An increase in both and your oil should be changed immediately.

Do You Have Vibration Monitoring?

YES!

Bravo! You are taking the right steps towards your preventative maintenance care for your gearbox. Your gearbox should have a long and prosperous life!

NO

Vibration switches will prevent catastrophic failure, alerting you when there is too much vibration on your gear box. Consider using a vibration transducer. This gives a more accurate reading and can help with diagnostics and the prevention of failure.

DOWNLOAD YOUR GEAR BOX HANDBOOK

Read e-book

Additional Steps You Can Take to Prevent Failure

Oil Level Switch: Automatically monitors oil level.

Filtration System: Helps to filter oil when needed.

Oil Sight Glass: Easy to see oil levels from outside the gearbox.

Heater & Thermostat: Monitors temperature.

Oil Pressure Switch

Low Speed: Helps sling oil into upper bearings.

Non Reverse Adder: Stops Fan from windmilling and damaging gearbox at start up.