Providing oil hours on your sample lets you see the trend on wear rate.

From the oil brand and type we can determine the acceptable viscosity range for the oil.

A base additive is used in engine oils to neutralise any build up of acids. If you are using high quality oil and centrifuges to run extended oil drains you will need to keep track of the base reserve left and top up if necessary.

This wear metal report was compiled in the laboratories of Oil Solutions N.Q. from samples supplied by the above named client.

Whilst all possible care is taken in processing samples, Clean Oil Services Pty Ltd., trading as Oil Solutions N.Q. give no guarantee, express or implied, against failure of any machinery, or part thereof; relating to this report.

We can work with you to set limits for contamination and wear levels that suit the specific machine, operating conditions and consequences of failure.

We keep a database of these elements of the oil additive package to compare levels to the current sample. If we don't have a recent test of the oil you use on our database, send us in some new oil and we will run a free analysis of it.

This section tells you at a glance whether the machine is healthy (GOOD or FAIR), if some maintenance is recommended (ACTION) or if imminent failure is likely (CAUTION).

We keep a database of these elements of the oil additive package to compare levels to the current sample. If we don’t have a recent test of the oil you use on our database, send us in some new oil and we will run a free analysis of it.
Microscope analysis allows you to see your wear at 200X magnification.

This photo is taken with light reflecting of the sample. White particles are pieces of wear metals. Dark particles are dirt and dust.

**Particle Size Grouping**

- VISCOSITY: 125, 120, 115, 110, 105, 100, 95, 90
- VISCOSITY: 125, 120, 115, 110, 105, 100, 95, 90
- IRON: 140, 120, 100, 80, 60, 40, 20, 0
- LEAD: 140, 120, 100, 80, 60, 40, 20, 0
- TIN: 25, 20, 15, 10, 5, 0
- COPPER: 25, 20, 15, 10, 5, 0
- ALUMINIUM: 14, 12, 10, 8, 6, 4, 2, 0
- CHROMIUM: 14, 12, 10, 8, 6, 4, 2, 0
- SILICON: 40, 35, 30, 25, 20, 15, 10, 5, 0
- SODIUM: 40, 35, 30, 25, 20, 15, 10, 5, 0

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