



# CONFIDENCE RV

## Oil Analysis Severity Summary

N = Normal
O = Observe
M = Moderate
MH = Moderate High
S = Severe

**Did you know...** COPPER and NICKEL are among the many metals present in engine fluids to varying degrees. How much is too much? Laboratory analysis can tell us what no amount of checking a dipstick can!

**What is fluid analysis?** A laboratory diagnostic of what's going on inside of your RV (or tow vehicle) engines. Most common fluids sampled: Engine Oil, Transmission Fluid, Coolant, Generator Oil & Coolant, Hydronic Heating Systems Coolant (Ex: Aqua-Hot, Oasis).

**What can you learn?** Results tell us things like:

- Metal Content (If inner components may be grinding)
- Presence of Contamination
- Oxidation Status
- Viscosity Level
- Acidity
- Freezing/Boiling Points (Coolants)
- Total Dissolved Solids (TDS)
- And More!

**Why is it important?** Increases your ability to detect minor problems and schedule repairs, if needed, BEFORE they result in breakdowns and lost travel time. This isn't possible when just draining and replacing your RV oils and coolants. Without it, following manufacturer-recommended intervals is the best you can do. BUT...

- You may be wasting money by changing fluids too soon.
- OR...risking damage by not changing them out SOON enough.

**How can I use it?**

- ✓ Maintenance - Start with a baseline. Monitor the health of your engines over time. The chart provides the recommended sampling intervals.
- ✓ Buying - Avoid someone else's engine problems!
- ✓ Selling - Prepare and better position your RV for resale in a crowded market.

### RV SAMPLING RECOMMENDATIONS

Component	Sample Type	Recommendation
ENGINE	Oil	<b>Every scheduled oil change</b>
	Coolant	Annually (at start of travel season)
TRANSMISSION	Oil (fluid)	Annually (at start of travel season)
GENERATOR	Oil	<b>Every scheduled oil change</b>
	Coolant	Annually (at start of travel season)

**What are the costs (per fluid)?** DIY starts in the \$30 range to \$75+ per fluid for full service.

**How long does it take?** Certified RV Inspectors like Confidence RV can deliver results within days or up to a couple of weeks (factors depending).

**How do you do it? Some options...**

- Confidence RV LLC – ON-SITE SAMPLING AVAILABLE by appointment
- Other Certified NRVA Inspectors – [www.nrvia.org](http://www.nrvia.org) \*Use credentialed labs
- DIY – General sampling kits can be found online, typically oil-focused. *Allison Transmission Fluid Sampling Kit* may be available for purchase online



What do pennies & nickels have to do with your engines?



NOTES: