

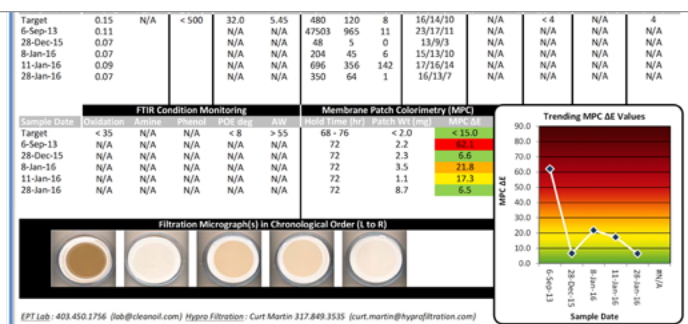
OA-TO

Turbine Oil Analysis

Hy-Pro offers two levels of analysis for turbine oils to provide insight into system conditions and to help predict and prevent fluid contamination related issues.



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Comprehensive analysis

Newer generation group II based turbine oils typically have an anti-oxidant additive package made up of sacrificial amines and/or phenols that are depleted as oxidation and oil degradation occurs. The RULER (Remaining Useful Life Evaluation Routine) test compares remaining levels of anti-oxidant additive versus the levels found in new oil to give you the big picture of exactly how your oil is holding up.

MPC

ASTM developed standard (ASTM D7843-12) for quantifying the amount of oil degradation by-products in the oil that can lead to the formation of varnish deposits. We recommend monitoring MPC monthly on older fluids that may have depleted anti-oxidant levels and quarterly for new fluids.



Trending

OA-TO is an invaluable tool to establish a baseline for condition based recommendations to eliminate servo valve deposits, high acid number, water, or high ISO Codes. And once a Hy-Pro contamination solution has been implemented, OA-TO trends your progress toward success and trouble free operation.



Analysis Specifications

Oil Analysis Testing

OA-MPC601311

OA-TO601368

Description

MPC varnish potential test includes:
MPC colorimetry patch test and photo

Full analysis package includes:
TAN
Metals analysis ppm
Water % Karl Fischer
Viscosity at 40°C
MPC varnish potential
MPC patch weight
ISO particle count
RULER

Recommended Frequency

Monthly for varnish potential and ICB element condition monitoring

Bi-annually for overall lube oil condition monitoring

Testing Standards

MPC/Patch Weight: ASTM D7843

TAN: ASTM D664
Metals: ASTM D5185
Water: ASTM D7546
Viscosity: ASTM D445
ISO Codes: ISO 11500/4406
MPC/Patch Weight: ASTM D7843

Sample Size Required

100mL (sample bottle included)

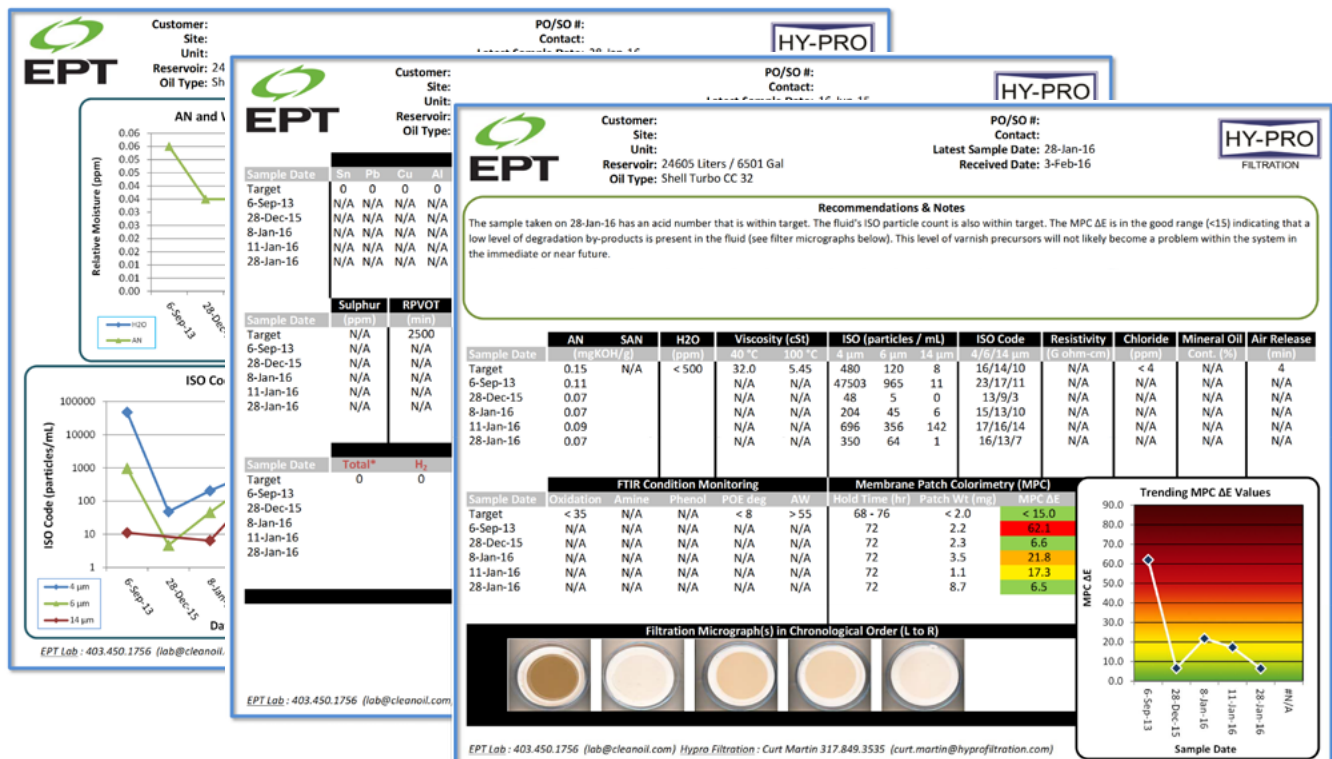
350mL (sample bottle included)

Fluid Compatibility

Mineral oils and turbine oils

Mineral oils and turbine oils

Sample Report



Want to find out more? Get in touch.

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