



Blending & Packaging

Used Oil Analysis

Our experts know that your lubricants tell a story about your mechanical equipment

Irving Oil has nearly a century of experience in engine and machinery protection, and we're always looking to the future to keep your equipment running smoothly.

Our experts can analyze your used engine oil, as well as transmission and differential fluids, to provide a detailed report on physical properties and wear. As a result, you'll have all the information you need to keep your vehicles on the road and out of the repair shop.

What can your used oil reveal about your engine or equipment?

- Fuel, moisture or coolant contamination
- Air intake system problems
- Component wear
- Leaks or cracks

How can our used oil analysis help you?

- Helps you extend your drain intervals
- Anticipates issues before they become breakdowns
- Cuts back on down time
- Reduces unnecessary oil changes and labour costs
- Saves money and time on maintenance
- Helps your equipment last longer
- Reduces needless overhauls or repairs
- Experience peace of mind warranty claims with well-documented maintenance activities

Used oil analysis is also useful in testing industrial fluids such as:

- Hydraulic oils
- Turbine oils
- Compressor oils
- Gear oils



Want to talk to a used oil expert?
We'd love to hear from you.

1.800.574.5823 • irvingblend.com



Blending & Packaging



What tests can we perform for you?

- Elemental Analysis (ASTM D5185)
 - > Contamination Elements: Si, K, Na
 - > Condition Elements: B, Ba, Ca, Mg, P, Zn
 - > Wear Elements: Fe, Ni, Sn, Cr, Cu, Pb, Ag, Al, Mo
- Water (Crackle Test)
- Fuel Contamination (IBP Method)
- Fuel Dilution (IBP Method)
- Viscosity at 40°C and 100°C (ASTM D445)
- Viscosity Index (ASTM D2270)
- Total Base Number (ASTM D2896)
- Total Acid Number (ASTM D664)
- Particle Count (Following ISO 4406 Cleanliness Code)
- Karl Fischer (ASTM D6304)
- Flash Point (ASTM D93)
- Infrared Spectroscopy for Percentage of Soot (Engine Oils Only, following JOAP/IBP Method)
- Bottom Sediment and Water (ASTM D1796)



Irving Blending & Packaging

555 Courtenay Causeway

PO Box 1160, Saint John, NB E2L 4E6

Phone: 1.800.574.LUBE or 506.632.7000 • Fax: 1.866.448.6144 or 506.632.7001