



# CONSTRUCTION EQUIPMENT

376560 VOLVO EC350E 314407 - DIESEL ENGINE



**Sample No:** VCP352598  
**Oil Type:** PETRO CANADA DURON SHP 15W40  
**Job No:** 376560



## SAMPLE INFORMATION

Sample Number	VCP352598	---	---	---
Sample Date	30 Aug 2023	---	---	---
Machine Hours	956	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

### STRONGCO EQUIPMENT-EDMONTON

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## OIL CONDITION

Visc @ 100°C	cSt	▲ 11.2	---	---	---
Oxidation (PA)	%	60	---	---	---



## CONTAMINATION

Soot %	%	■ 0	---	---	---
Nitration (PA)	%	■ 67	---	---	---
Sulfation (PA)	%	■ 53	---	---	---
Glycol	%	■ 0.0	---	---	---
Fuel	%	■ 1.3	---	---	---
Silicon	ppm	■ 10	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ <1	---	---	---



## WEAR METALS

Iron	ppm	■ 5	---	---	---
Copper	ppm	■ 161	---	---	---
Lead	ppm	■ 5	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 60	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ <1	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	■ 1167	---	---	---
Magnesium	ppm	■ 848	---	---	---
Zinc	ppm	■ 1194	---	---	---
Phosphorus	ppm	■ 958	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 3	---	---	---

## Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. Metal levels are typical for a new component breaking in. Light fuel dilution occurring. No other contaminants were detected in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO3908

**Unique No:** 5655689

**Signed:** Kevin Marson

**Report Date:** 05 Oct 2023



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## GRAPHS

