



CONSTRUCTION EQUIPMENT

SYNERGY HOMES 8000383628 VOLVO EC350E 314628 - DIESEL ENGINE



Sample No: VCP380158
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 8000383628



SAMPLE INFORMATION

Sample Number	VCP380158	---	---	---
Sample Date	02 Nov 2023	---	---	---
Machine Hours	610	---	---	---
Oil Hours	610	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

STRONGCO EQUIPMENT INC.
55 ISNOR DRIVE, BURNSIDE INDUSTRIALPARK
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CA B3B 1N6
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OIL CONDITION

Visc @ 100°C	cSt	▲ 11.8	---	---	---
Oxidation (PA)	%	53	---	---	---



CONTAMINATION

Soot %	%	■ 0	---	---	---
Nitration (PA)	%	■ 64	---	---	---
Sulfation (PA)	%	■ 59	---	---	---
Glycol	%	■ 0.0	---	---	---
Fuel	%	■ 1.2	---	---	---
Silicon	ppm	■ 24	---	---	---
Sodium	ppm	■ 6	---	---	---
Potassium	ppm	■ 2	---	---	---



WEAR METALS

Iron	ppm	■ 17	---	---	---
Copper	ppm	■ 464	---	---	---
Lead	ppm	■ 11	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 21	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ <1	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 2189	---	---	---
Magnesium	ppm	■ 41	---	---	---
Zinc	ppm	■ 1009	---	---	---
Phosphorus	ppm	■ 866	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 9	---	---	---

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 components first oil change. 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: SHEDAR
Unique No: 5671667
Signed: Kevin Marson
Report Date: 08 Nov 2023



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GRAPHS

