



CONSTRUCTION EQUIPMENT

8*132922 VOLVO A40G 341497 - BOGIE/CENTER AXLE



Sample No: VCE035152
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 8*132922



SAMPLE INFORMATION

Sample Number	VCE035152	---	---	---
Sample Date	28 Nov 2017	---	---	---
Machine Hours	1646	---	---	---
Oil Hours	1646	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

STRONGCO EQUIPMENT

655 MOUNTDALE AVENUE
 THUNDER BAY, ON
 CA P7E 6E5
 Contact: Jean-Luc Antier
 jantier@strongco.com
 T: (807)475-3052
 F: (807)473-0921



OIL CONDITION

Visc @ 40°C	cSt	▲ 51.0	---	---	---
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CONTAMINATION

Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 1	---	---	---



WEAR METALS

Iron	ppm	■ 267	---	---	---
Copper	ppm	■ 3	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 4	---	---	---
Molybdenum	ppm	■ 8	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 11	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	▲ 18	---	---	---
Magnesium	ppm	▲ <1	---	---	---
Zinc	ppm	▲ 11	---	---	---
Phosphorus	ppm	▲ 2444	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	▲ 271	---	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 75W80 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

Depot: CHATHU
Unique No: 4604806
Signed: Kevin Marson
Report Date: 05 Dec 2017



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GRAPHS

