



CONSTRUCTION EQUIPMENT

VOLVO EC160EL 310157 - DIESEL ENGINE



Sample No: VCP260921
Oil Type: SHELL ROTELLA T6 0W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP260921	---	---	---
Sample Date	17 Jan 2020	---	---	---
Machine Hours	1176	---	---	---
Oil Hours	90	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	---	---	---
Oxidation (PA)	%	█ 66	---	---	---

CONTAMINATION

Soot %	%	█ 0	---	---	---
Nitration (PA)	%	█ 53	---	---	---
Sulfation (PA)	%	█ 57	---	---	---
Glycol	%	█ 0.0	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 9	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	█ 9	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 2125	---	---	---
Magnesium	ppm	█ 8	---	---	---
Zinc	ppm	█ 1170	---	---	---
Phosphorus	ppm	█ 1004	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 41	---	---	---

Depot: VOLVO3908
Unique No: 4992631
Signed: Wes Davis
Report Date: 22 Jan 2020



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GRAPHS

