



CONSTRUCTION EQUIPMENT

VOLVO EC350EL 310558 - DIESEL ENGINE



Sample No: VCP259174

Oil Type: NOT GIVEN

Job No:



SAMPLE INFORMATION

Sample Number	VCP259174	---	---	---
Sample Date	25 Sep 2019	---	---	---
Machine Hours	1696	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.3	---	---	---
Oxidation (PA)	%	█ 82	---	---	---



CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	█ 62	---	---	---
Sulfation (PA)	%	█ 62	---	---	---
Glycol	%	█ NEG	---	---	---
Fuel	%	█ <1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 14	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. All other 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	█ 8	---	---	---
Copper	ppm	▲ 67	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 36	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	█ 0	---	---	---



ADDITIVES

Calcium	ppm	█ 1601	---	---	---
Magnesium	ppm	█ 426	---	---	---
Zinc	ppm	█ 805	---	---	---
Phosphorus	ppm	█ 693	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 26	---	---	---

Depot: VOLVO0096
Unique No: 8760111
Signed: Don Baldrige
Report Date: 30 Sep 2019



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GRAPHS

