



CONSTRUCTION EQUIPMENT

SPM659959-10 VOLVO EC350EL 314579 - DIESEL ENGINE



Sample No: VCP431850
Oil Type: {unknown}
Job No: SPM659959-10



SAMPLE INFORMATION

Sample Number	VCP431850	---	---	---
Sample Date	16 Jan 2024	---	---	---
Machine Hours	608	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT COMPANY
5151 DR MARTIN LUTHER KING BLVD
FORT MYERS, FL
US 33905
Contact: TODD LARK
tlark@altaequipfl.com
T:
F: (239)481-3302

OIL CONDITION

Visc @ 100°C	cSt	10.3	---	---	---
Base Number (BN)	mg KOH/g	7.3	---	---	---
Oxidation (PA)	%	69	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	63	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	0.8	---	---	---
Silicon	ppm	23	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	5	---	---	---

WEAR METALS

Iron	ppm	12	---	---	---
Copper	ppm	265	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	2	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	62	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	3	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1657	---	---	---
Magnesium	ppm	408	---	---	---
Zinc	ppm	1259	---	---	---
Phosphorus	ppm	1090	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	75	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other metal levels are typical for a new component breaking in. Fuel content negligible. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0090
Unique No: 10857569
Signed: Jonathan Hester
Report Date: 02 Feb 2024



CONSTRUCTION EQUIPMENT



GRAPHS

