



CONSTRUCTION EQUIPMENT

X58838 VOLVO L110H 632482 - DIESEL ENGINE



Sample No: VCP406848
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: X58838



SAMPLE INFORMATION

Sample Number	VCP406848	---	---	---
Sample Date	10 Nov 2023	---	---	---
Machine Hours	510	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

SCOTT EQUIPMENT COMPANY LLC - Saint Rose
 PO BOX 997
 SAINT ROSE, LA
 US 70087
 Contact: DENISE CORVERS
 dcorvers@scottcompanies.com
 T: (504)461-0961
 F: (504)461-0970



OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	---	---	---
Base Number (BN)	mg KOH/g	█ 10.1	---	---	---
Oxidation (PA)	%	69	---	---	---



CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	52	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 12	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ <1	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The aluminum level is abnormal. All other component wear rates are normal. 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.



WEAR METALS

Iron	ppm	█ 18	---	---	---
Copper	ppm	█ 10	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	▲ 44	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 49	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1364	---	---	---
Magnesium	ppm	█ 772	---	---	---
Zinc	ppm	█ 1259	---	---	---
Phosphorus	ppm	█ 1001	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 75	---	---	---

Depot: SCOSAI
Unique No: 10741859
Signed: Sean Felton
Report Date: 16 Nov 2023



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GRAPHS

