



CONSTRUCTION EQUIPMENT

X58879 VOLVO L220H 3518 - DIESEL ENGINE



Sample No: VCP426048
Oil Type: NOT GIVEN
Job No: X58879



SAMPLE INFORMATION

Sample Number	VCP426048	---	---	---
Sample Date	14 Nov 2023	---	---	---
Machine Hours	508	---	---	---
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	█ 11.2	---	---	---
Base Number (BN)	mg KOH/g	█ 5.7	---	---	---
Oxidation (PA)	%	58	---	---	---

Diagnosis

The oil 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. 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.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	76	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 0.6	---	---	---
Silicon	ppm	█ 22	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 4	---	---	---



WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	▲ 307	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 79	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 2122	---	---	---
Magnesium	ppm	█ 15	---	---	---
Zinc	ppm	█ 1174	---	---	---
Phosphorus	ppm	█ 983	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 47	---	---	---

Depot: SCOSAI
Unique No: 10743044
Signed: Sean Felton
Report Date: 20 Nov 2023



CONSTRUCTION EQUIPMENT



GRAPHS

