



CONSTRUCTION EQUIPMENT

225088 CEDAR GROVE VOLVO L180H 5422 - DIESEL ENGINE



Sample No: VCP403245
Oil Type: NOT GIVEN
Job No: 225088 CEDAR GROVE



SAMPLE INFORMATION

Sample Number	VCP403245	---	---	---
Sample Date	17 Aug 2023	---	---	---
Machine Hours	3060	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

PACWEST MACHINERY

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OIL CONDITION

Visc @ 100°C	cSt	▲ 7.4	---	---	---
Base Number (BN)	mg KOH/g	■ 10.5	---	---	---
Oxidation (PA)	%	■ 34	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



CONTAMINATION

Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	■ 23	---	---	---
Sulfation (PA)	%	■ 51	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	■ 2.1	---	---	---
Silicon	ppm	■ 15	---	---	---
Sodium	ppm	■ 7	---	---	---
Potassium	ppm	■ 3	---	---	---



WEAR METALS

Iron	ppm	■ 193	---	---	---
Copper	ppm	■ 3	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ 6	---	---	---
Molybdenum	ppm	■ 5	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 8	---	---	---
Vanadium	ppm	■ 0	---	---	---



ADDITIVES

Calcium	ppm	■ 4145	---	---	---
Magnesium	ppm	■ 20	---	---	---
Zinc	ppm	■ 1700	---	---	---
Phosphorus	ppm	■ 1441	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 139	---	---	---

Depot: VOLVO1271
Unique No: 10618337
Signed: Jonathan Hester
Report Date: 28 Aug 2023



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GRAPHS

