



CONSTRUCTION EQUIPMENT

224923 ASH GROVE VOLVO L220H 3292 - DIESEL ENGINE



Sample No: VCP426770
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: 224923 ASH GROVE



SAMPLE INFORMATION

Sample Number	VCP426770	---	---	---
Sample Date	21 Jun 2023	---	---	---
Machine Hours	6996	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

PACWEST MACHINERY

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.4	---	---	---
Base Number (BN)	mg KOH/g	█ 7.9	---	---	---
Oxidation (PA)	%	67	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. 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 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.



CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	75	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ <1	---	---	---



WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	▲ 18	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 57	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1052	---	---	---
Magnesium	ppm	█ 893	---	---	---
Zinc	ppm	█ 1183	---	---	---
Phosphorus	ppm	█ 916	---	---	---
Barium	ppm	█ 11	---	---	---
Boron	ppm	█ 8	---	---	---

Depot: VOLVO1271
Unique No: 10539084
Signed: Sean Felton
Report Date: 05 Jul 2023



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GRAPHS

