



CONSTRUCTION EQUIPMENT

12855 VOLVO L60H 622323 - DIESEL ENGINE



Sample No: VC510563
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: 12855



SAMPLE INFORMATION

Sample Number	VC510563	---	---	---
Sample Date	17 Apr 2024	---	---	---
Machine Hours	5475	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

TRANSOURCE TRUCK & EQUIPMENT

901 EAST 60TH STREET NORTH
 SIOUX FALLS, SD
 US 57104

Contact: BRAD MAUPIN
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OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	---	---	---
Base Number (BN)	mg KOH/g	█ 10.8	---	---	---
Oxidation (PA)	%	82	---	---	---

Diagnosis

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 suitable for further service.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	53	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 9	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	▲ 12	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 42	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1680	---	---	---
Magnesium	ppm	█ 495	---	---	---
Zinc	ppm	█ 1152	---	---	---
Phosphorus	ppm	█ 959	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 64	---	---	---

Depot: VOLVO0035
Unique No: 10992073
Signed: Sean Felton
Report Date: 24 Apr 2024



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GRAPHS

