



CONSTRUCTION EQUIPMENT

W0230337 VOLVO L90H 623617 - DIESEL ENGINE



Sample No: VCP428598
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: W0230337



SAMPLE INFORMATION

Sample Number	VCP428598	---	---	---
Sample Date	16 Apr 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	12144	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

ROMCO INC
1350 NE LOOP 820
FORT WORTH, TX
US 76106
Contact: ROB HOLCOMB
rholcomb@romco.com
T: (817)798-9289
F: (817)626-8983



OIL CONDITION

Visc @ 100°C	cSt	█ 14.2	---	---	---
Base Number (BN)	mg KOH/g	█ 7.8	---	---	---
Oxidation (PA)	%	87	---	---	---

Diagnosis

Resample at the next service interval to monitor. All 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

Water	%	NEG	---	---	---
Soot %	%	█ 0.6	---	---	---
Nitration (PA)	%	97	---	---	---
Sulfation (PA)	%	69	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---



WEAR METALS

Iron	ppm	█ 12	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 130	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1646	---	---	---
Magnesium	ppm	█ 664	---	---	---
Zinc	ppm	█ 792	---	---	---
Phosphorus	ppm	█ 651	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 154	---	---	---

Depot: VOLVO0081
Unique No: 10990968
Signed: Sean Felton
Report Date: 24 Apr 2024



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GRAPHS

