



CONSTRUCTION EQUIPMENT

5384-1 VOLVO L90H 625811 - DIESEL ENGINE



Sample No: VCP407086
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 5384-1



MCCLUNG-LOGAN EQUIPMENT CO - SALEM
 2025 COOK DRIVE
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 US 24153
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 F:



SAMPLE INFORMATION

Sample Number	VCP407086	---	---	---
Sample Date	19 Jun 2023	---	---	---
Machine Hours	840	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	---	---	---
Base Number (BN)	mg KOH/g	█ 8.0	---	---	---
Oxidation (PA)	%	57	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	69	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	█ 16	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 11	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 78	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 2063	---	---	---
Magnesium	ppm	█ 190	---	---	---
Zinc	ppm	█ 1252	---	---	---
Phosphorus	ppm	█ 1062	---	---	---
Barium	ppm	█ 5	---	---	---
Boron	ppm	█ 77	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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.

Depot: VOLVO9010
Unique No: 10533361
Signed: Wes Davis
Report Date: 27 Jun 2023



CONSTRUCTION EQUIPMENT

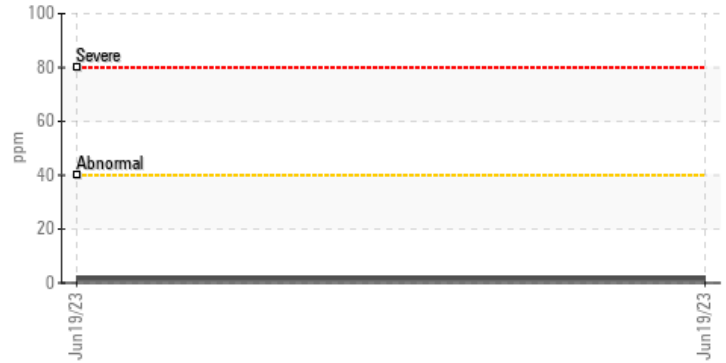


GRAPHS

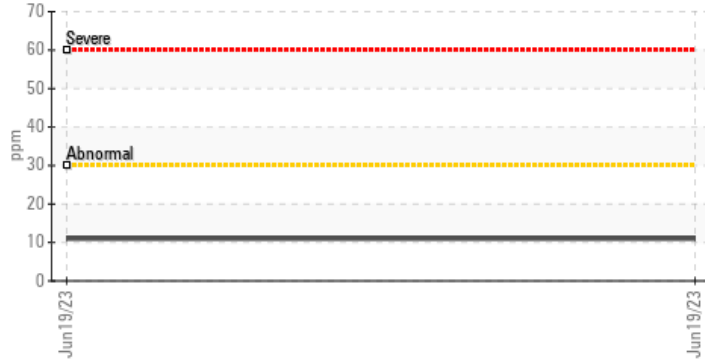
Iron (ppm)



Lead (ppm)



Aluminum (ppm)



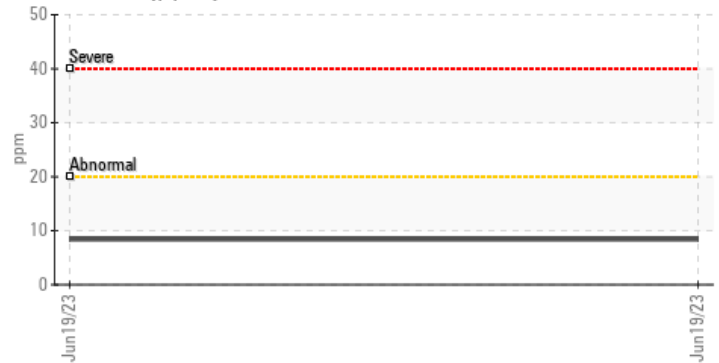
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

