



CONSTRUCTION EQUIPMENT

NOT GIVEN VCP436709 (S/N NO INFO ON SIF/BOTTLE) - DIESEL ENGINE



Sample No: VCP436709

Oil Type: {unknown}

Job No:



SAMPLE INFORMATION

Sample Number	VCP436709	---	---	---
Sample Date	12 Feb 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 10.8	---	---	---
Base Number (BN)	mg KOH/g	█ 5.0	---	---	---
Oxidation (PA)	%	58	---	---	---

Diagnosis

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Fuel content negligible. Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material. 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 %	%	█ 0.2	---	---	---
Nitration (PA)	%	80	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 0.4	---	---	---
Silicon	ppm	▲ 27	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 17	---	---	---
Copper	ppm	█ 208	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 85	---	---	---
Nickel	ppm	█ 3	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	3	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 2206	---	---	---
Magnesium	ppm	█ 24	---	---	---
Zinc	ppm	█ 1204	---	---	---
Phosphorus	ppm	█ 1041	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 30	---	---	---

Depot: VOLVO0093
 Unique No: 10875360
 Signed: Doug Bogart
 Report Date: 15 Feb 2024



CONSTRUCTION EQUIPMENT



GRAPHS

Iron (ppm)



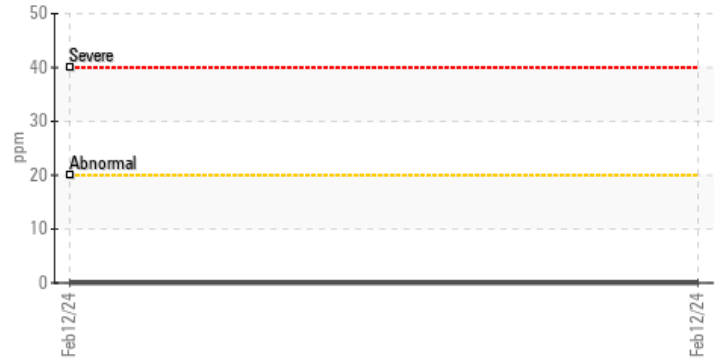
Lead (ppm)



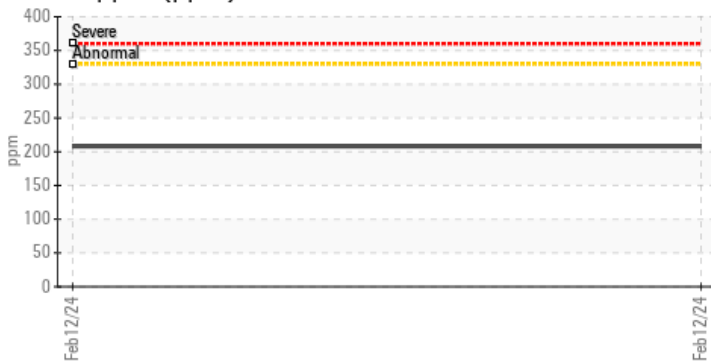
Aluminum (ppm)



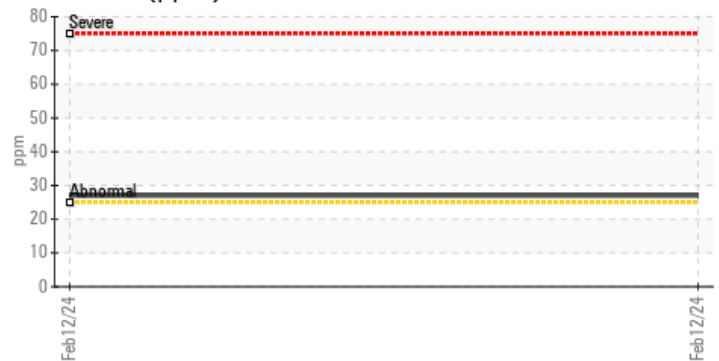
Chromium (ppm)



Copper (ppm)



▲ Silicon (ppm)



Viscosity @ 100°C



Base Number

