



CONSTRUCTION EQUIPMENT

647620 VOLVO L70H 625304 - DIESEL ENGINE



Sample No: VCP418209
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 647620



SAMPLE INFORMATION

Sample Number	VCP418209	---	---	---
Sample Date	05 Jan 2024	---	---	---
Machine Hours	510	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.3	---	---	---
Base Number (BN)	mg KOH/g	█ 9.6	---	---	---
Oxidation (PA)	%	78	---	---	---

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.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	60	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 25	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	█ 24	---	---	---
Copper	ppm	█ 11	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 5	---	---	---
Aluminum	ppm	█ 15	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 39	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 6	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1574	---	---	---
Magnesium	ppm	█ 589	---	---	---
Zinc	ppm	█ 1158	---	---	---
Phosphorus	ppm	█ 866	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 40	---	---	---

Depot: VOLVO0096
Unique No: 10821089
Signed: Wes Davis
Report Date: 10 Jan 2024



CONSTRUCTION EQUIPMENT



GRAPHS

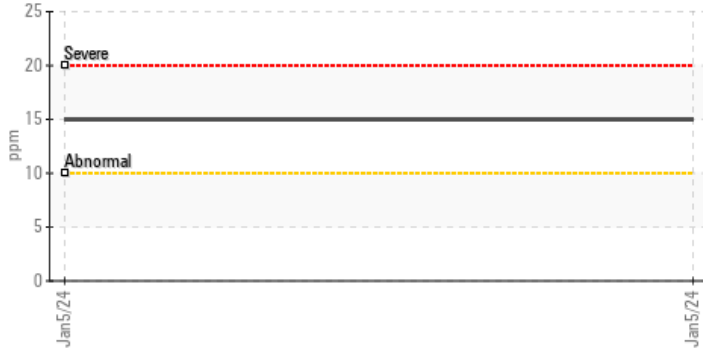
Iron (ppm)



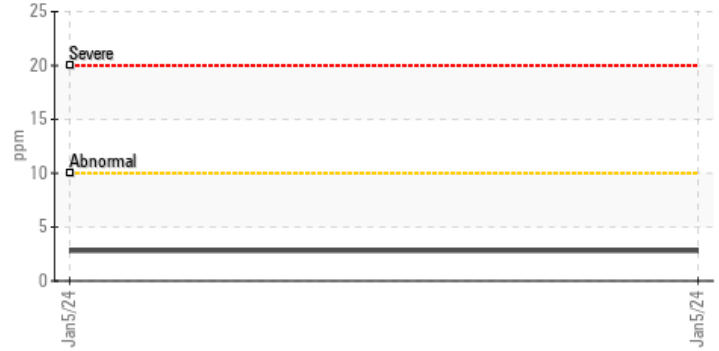
Lead (ppm)



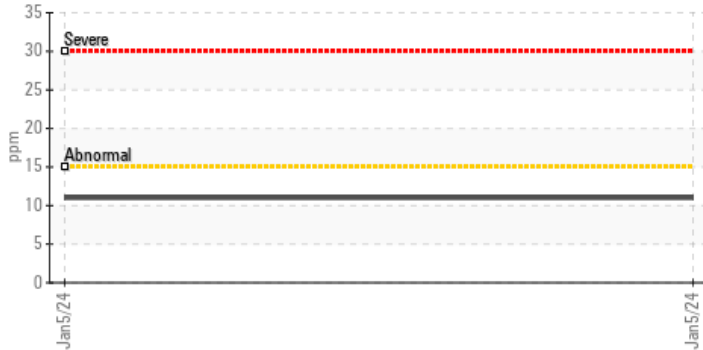
Aluminum (ppm)



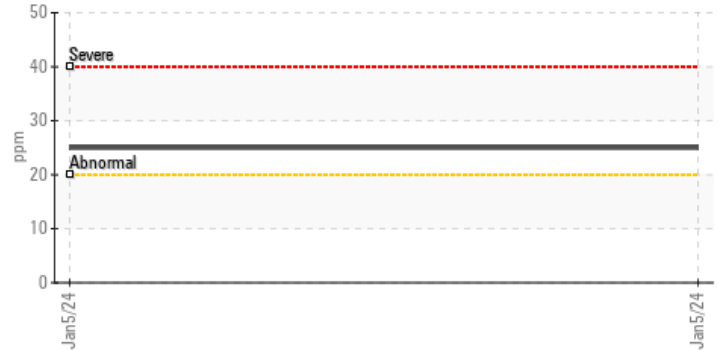
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

