



CONSTRUCTION EQUIPMENT

5869 IAA VOLVO L90H 627175 - DIESEL ENGINE



Sample No: VCP392650
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 5869 IAA



SAMPLE INFORMATION

Sample Number	VCP392650	---	---	---
Sample Date	04 Jan 2024	---	---	---
Machine Hours	672	---	---	---
Oil Hours	672	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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 2025 COOK DRIVE
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 US 24153
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 F:

OIL CONDITION

Visc @ 100°C	cSt	█ 12.5	---	---	---
Base Number (BN)	mg KOH/g	█ 9.9	---	---	---
Oxidation (PA)	%	74	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a components first oil change. 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 %	%	█ 0.3	---	---	---
Nitration (PA)	%	56	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 19	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ <1	---	---	---

WEAR METALS

Iron	ppm	█ 26	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 12	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 38	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1630	---	---	---
Magnesium	ppm	655	---	---	---
Zinc	ppm	█ 1296	---	---	---
Phosphorus	ppm	█ 1113	---	---	---
Barium	ppm	█ 3	---	---	---
Boron	ppm	█ 47	---	---	---

Depot: VOLVO9010
Unique No: 10820501
Signed: Wes Davis
Report Date: 09 Jan 2024



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GRAPHS

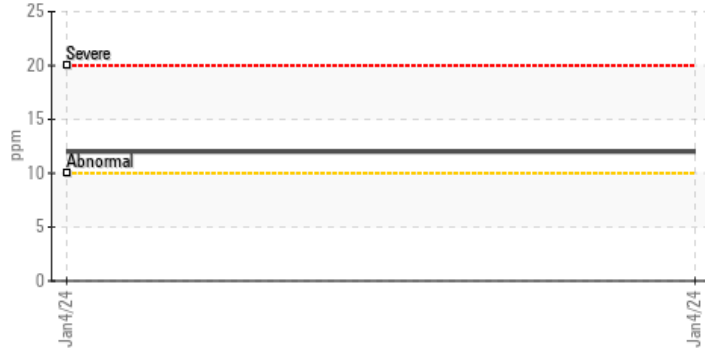
Iron (ppm)



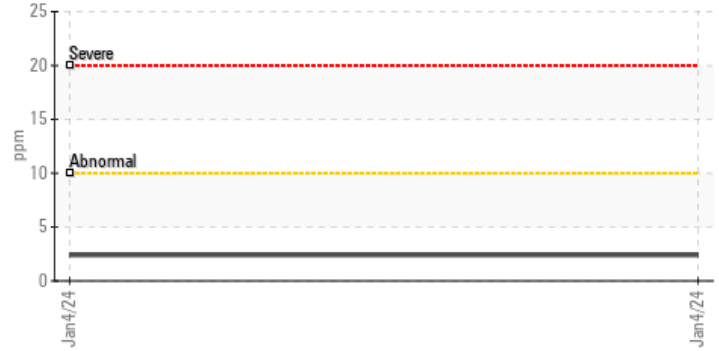
Lead (ppm)



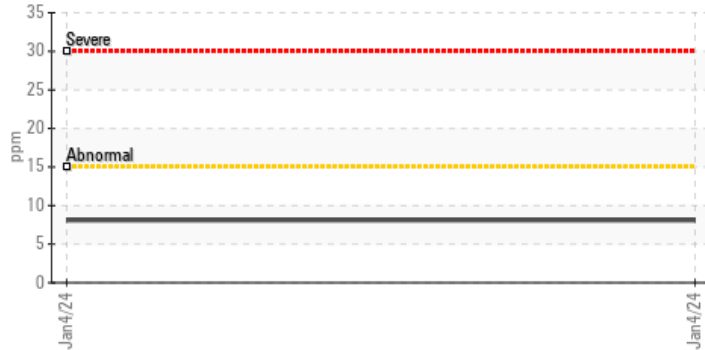
Aluminum (ppm)



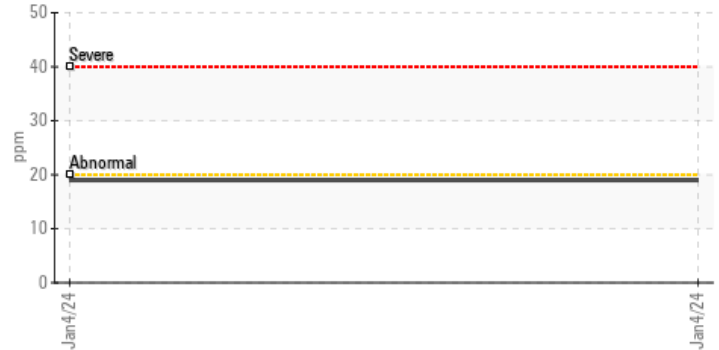
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

