



CONSTRUCTION EQUIPMENT

SW1029238 UPPER VALL VOLVO G930 41244 - DIESEL ENGINE



Sample No: VCP419427
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: SW1029238 UPPER VALL



SAMPLE INFORMATION

Sample Number	VCP419427	---	---	---
Sample Date	24 Jan 2024	---	---	---
Machine Hours	7816	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	---	---	---
Base Number (BN)	mg KOH/g	█ 6.2	---	---	---
Oxidation (PA)	%	55	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.
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 suitable for further service.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	69	---	---	---
Sulfation (PA)	%	48	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	█ 32	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 71	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 2022	---	---	---
Magnesium	ppm	█ 101	---	---	---
Zinc	ppm	█ 1264	---	---	---
Phosphorus	ppm	█ 1104	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 67	---	---	---

Depot: VOLVO0077
Unique No: 10857563
Signed: Wes Davis
Report Date: 01 Feb 2024

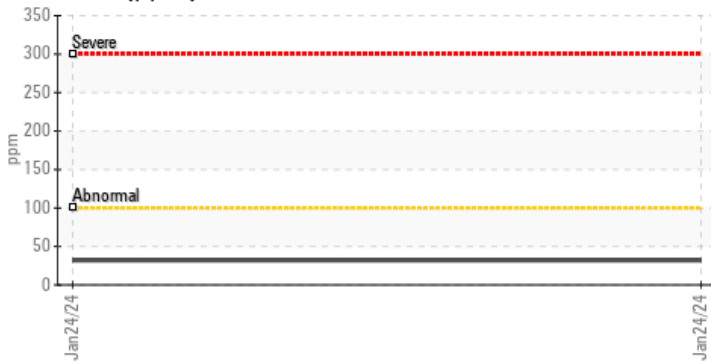


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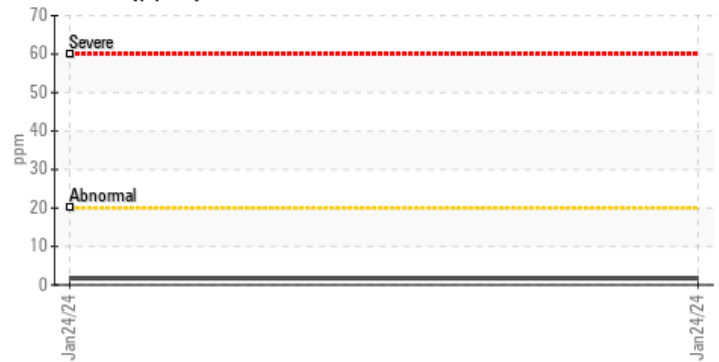


GRAPHS

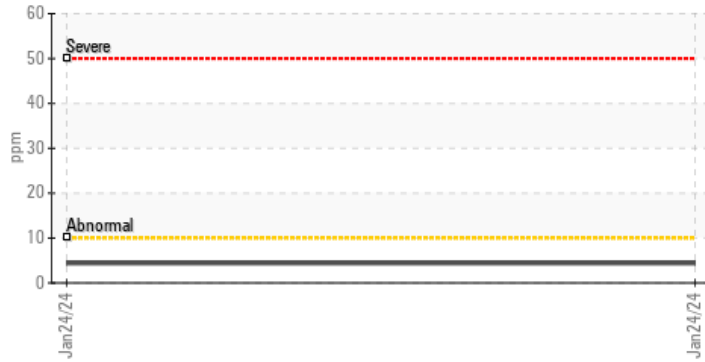
Iron (ppm)



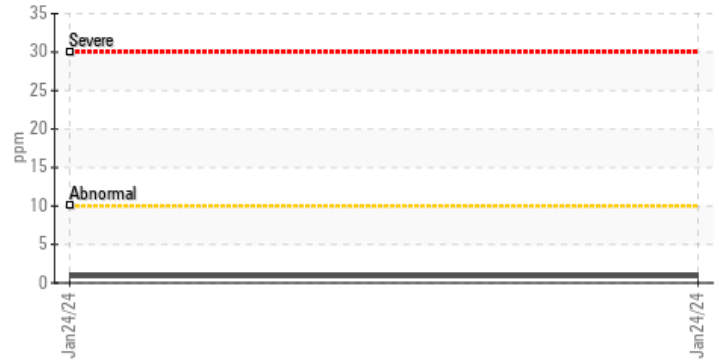
Lead (ppm)



Aluminum (ppm)



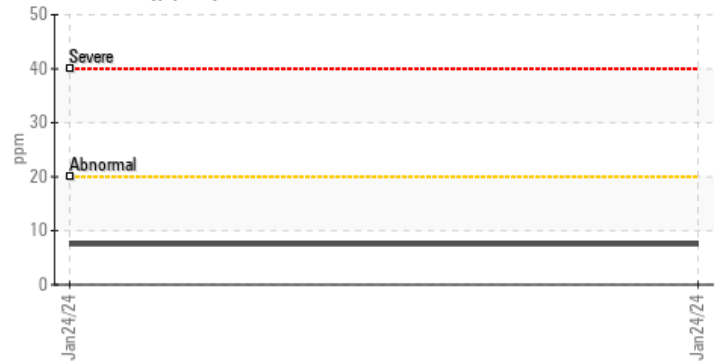
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

