



CONSTRUCTION EQUIPMENT

A11844 WM VOLVO L150H 5620 - DIESEL ENGINE



Sample No: VCP428656
Oil Type: MOBIL 15W40
Job No: A11844 WM



SAMPLE INFORMATION

Sample Number	VCP428656	VCP409796	VCP334639	---
Sample Date	05 Jan 2024	23 Feb 2023	08 Feb 2023	---
Machine Hours	14960	13384	13266	---
Oil Hours	500	0	500	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

HOFFMAN EQUIPMENT - LIONVILLE
 120 GORDON DRIVE
 LIONVILLE, PA
 US 19341
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OIL CONDITION

Visc @ 100°C	cSt	13.1	13.1	13.1	---
Base Number (BN)	mg KOH/g	7.4	8.1	8.7	---
Oxidation (PA)	%	56	39	54	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.1	0.1	0.1	---
Nitration (PA)	%	45	48	50	---
Sulfation (PA)	%	55	44	52	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	8	7	13	---
Sodium	ppm	0	2	<1	---
Potassium	ppm	1	1	0	---



WEAR METALS

Iron	ppm	<1	<1	3	---
Copper	ppm	0	2	3	---
Lead	ppm	<1	0	<1	---
Tin	ppm	<1	0	<1	---
Aluminum	ppm	3	1	2	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	103	20	88	---
Nickel	ppm	0	<1	<1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	0	<1	---
Vanadium	ppm	0	<1	0	---



ADDITIVES

Calcium	ppm	1170	1833	1237	---
Magnesium	ppm	724	207	788	---
Zinc	ppm	902	998	990	---
Phosphorus	ppm	763	825	801	---
Barium	ppm	0	0	0	---
Boron	ppm	103	14	112	---

Diagnosis

Resample at the next service interval to monitor. 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.

Depot: VOLVO8879
Unique No: 10836331
Signed: Angela Borella
Report Date: 22 Jan 2024

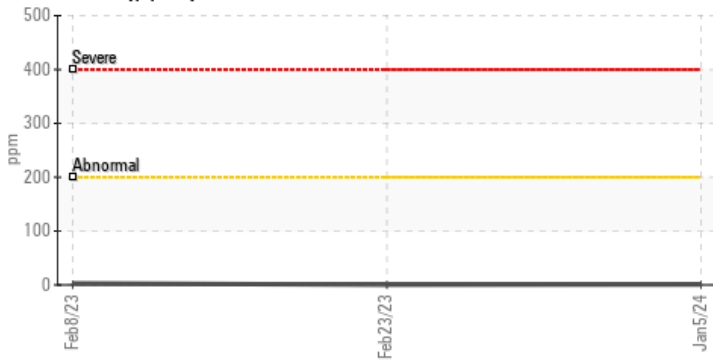


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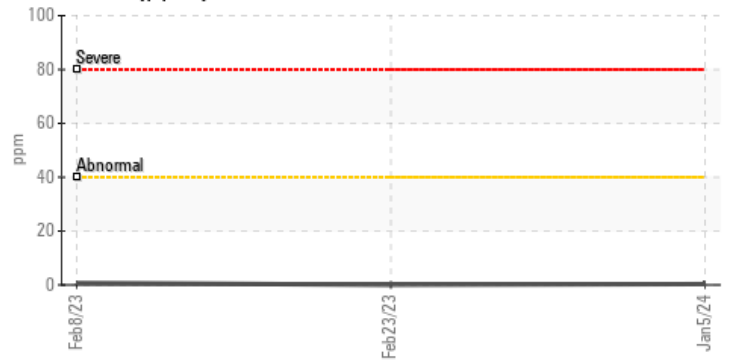


GRAPHS

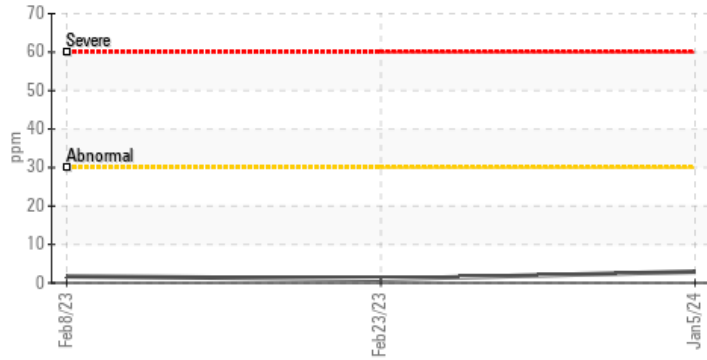
Iron (ppm)



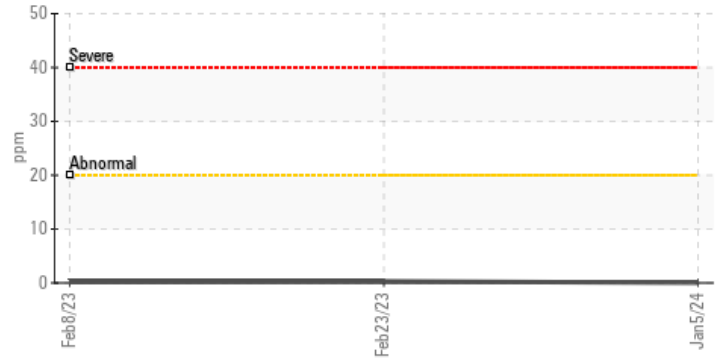
Lead (ppm)



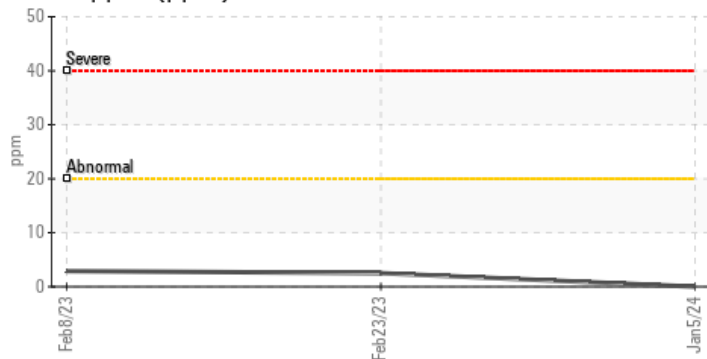
Aluminum (ppm)



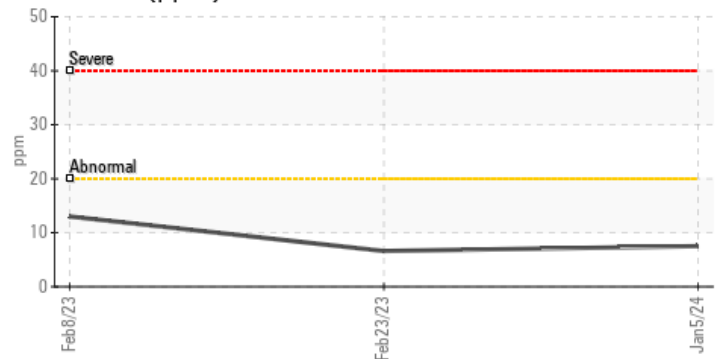
Chromium (ppm)



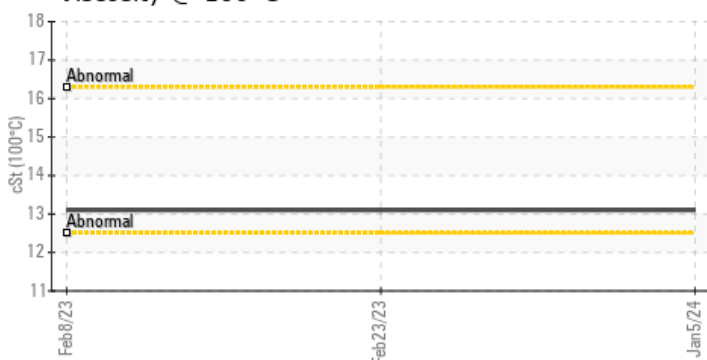
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

