



CONSTRUCTION EQUIPMENT

392008 VOLVO L70H 624562 - DIESEL ENGINE



Sample No: VCP380399
Oil Type: VOLVO 5W40
Job No: 392008



SAMPLE INFORMATION

Sample Number	VCP380399	VCP352959	---	---
Sample Date	23 Jan 2024	09 Nov 2022	---	---
Machine Hours	2023	1074	---	---
Oil Hours	500	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



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OIL CONDITION

Visc @ 100°C	cSt	13.1	13.1	---	---
Oxidation (PA)	%	93	87	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.2	0	---	---
Nitration (PA)	%	77	60	---	---
Sulfation (PA)	%	64	66	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	7	8	---	---
Sodium	ppm	2	3	---	---
Potassium	ppm	1	0	---	---

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	103	69	---	---
Copper	ppm	4	2	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	2	2	---	---
Aluminum	ppm	6	4	---	---
Chromium	ppm	2	2	---	---
Molybdenum	ppm	43	42	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1765	1724	---	---
Magnesium	ppm	521	526	---	---
Zinc	ppm	1108	1098	---	---
Phosphorus	ppm	948	1001	---	---
Barium	ppm	<1	<1	---	---
Boron	ppm	32	42	---	---

Depot: VOLVO9652
Unique No: 5720484
Signed: Wes Davis
Report Date: 26 Jan 2024

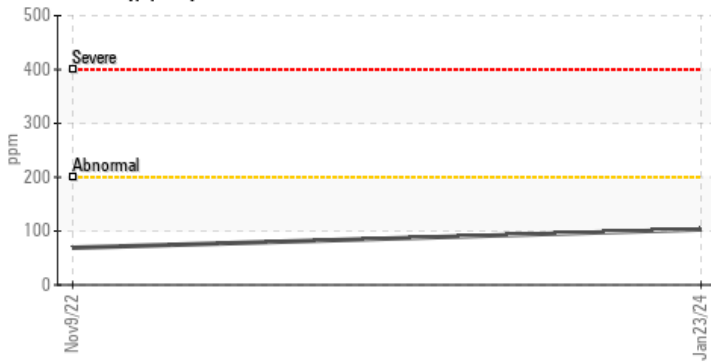


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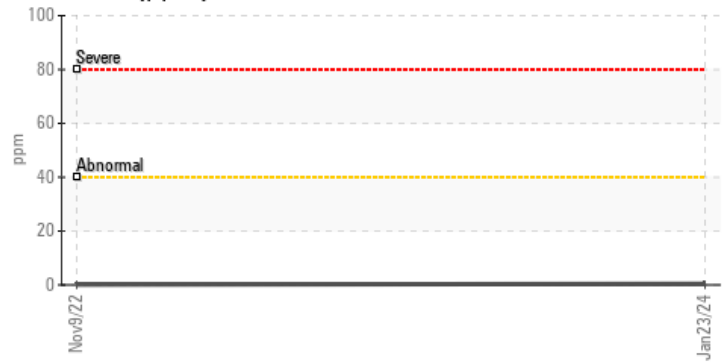


GRAPHS

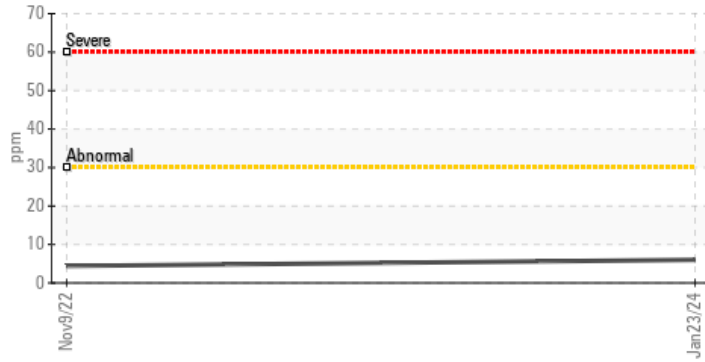
Iron (ppm)



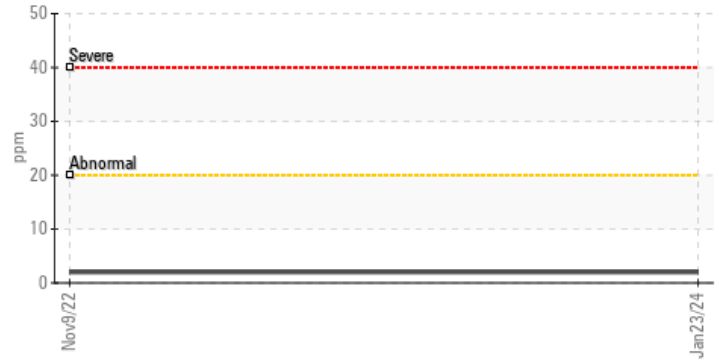
Lead (ppm)



Aluminum (ppm)



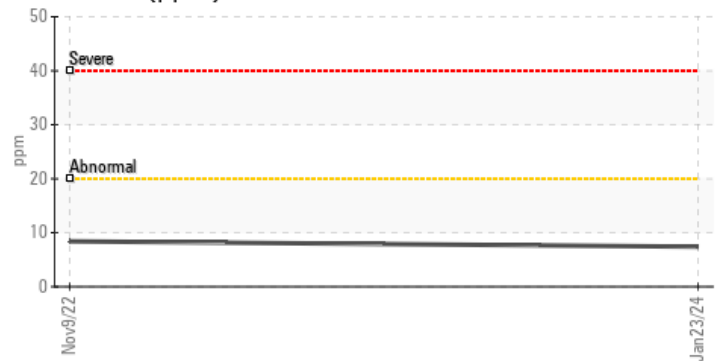
Chromium (ppm)



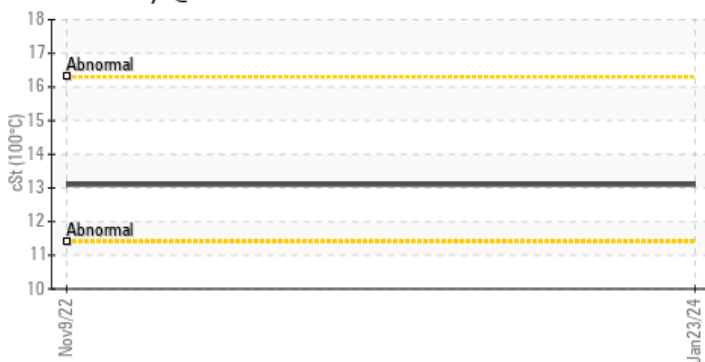
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Soot %

