



CONSTRUCTION EQUIPMENT

225482 IAA VOLVO L90H 624272 - FRONT AXLE



Sample No: VCP441943
Oil Type: VOLVO WB 102
Job No: 225482 IAA



PACWEST MACHINERY
8207 SOUTH 216TH STREET
KENT, WA
US 98032
Contact: CHRIS COPELAND
ccopeland@pacwestmachinery.com
T: (800)935-5933
F: (509)534-5286



SAMPLE INFORMATION

Sample Number	VCP441943	VCP239090	VCP148126	---
Sample Date	06 Dec 2023	02 Mar 2020	01 Feb 2019	---
Machine Hours	10017	3994	2033	---
Oil Hours	0	2000	2033	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	39.4	40.4	40.2	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	10	12	9	---
Sodium	ppm	9	2	3	---
Potassium	ppm	2	0	0	---



WEAR METALS

Iron	ppm	34	55	77	---
Copper	ppm	0	<1	<1	---
Lead	ppm	<1	2	<1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	1	<1	<1	---
Chromium	ppm	<1	1	3	---
Molybdenum	ppm	0	0	13	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	1	3	8	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	3703	4309	3707	---
Magnesium	ppm	16	13	10	---
Zinc	ppm	1599	1676	1394	---
Phosphorus	ppm	1327	1383	1213	---
Barium	ppm	0	0	0	---
Boron	ppm	128	125	104	---

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.

Depot: VOLVO1271
Unique No: 10790137
Signed: Wes Davis
Report Date: 15 Dec 2023

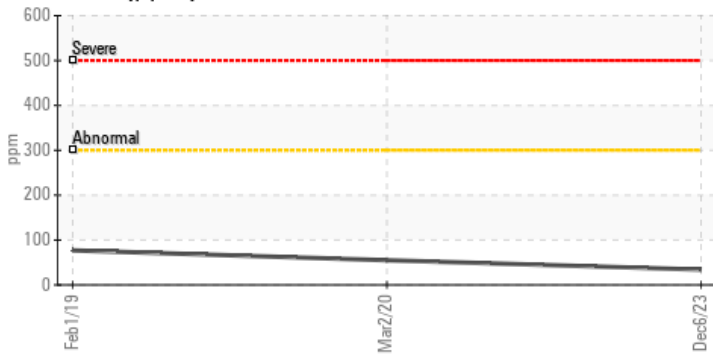


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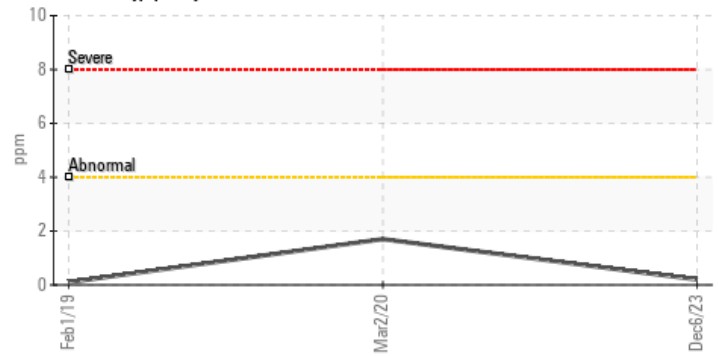


GRAPHS

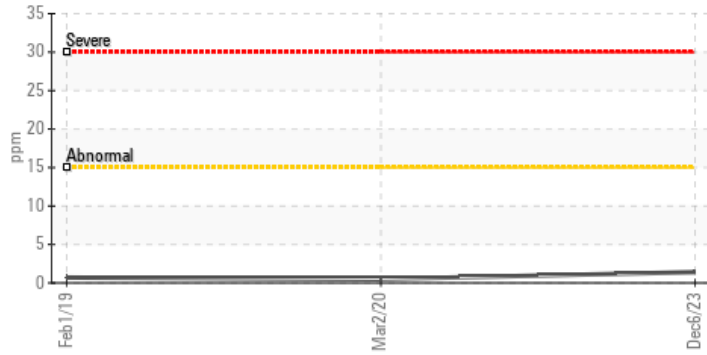
Iron (ppm)



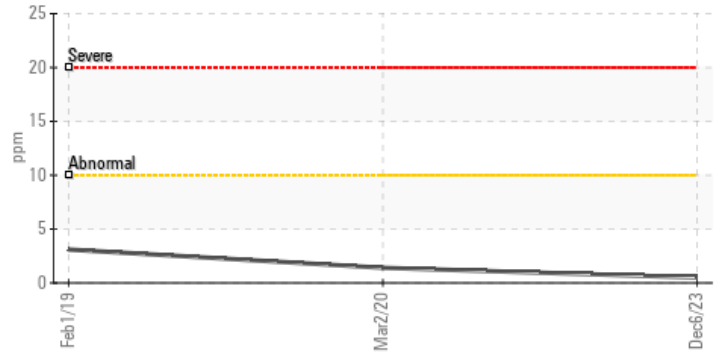
Lead (ppm)



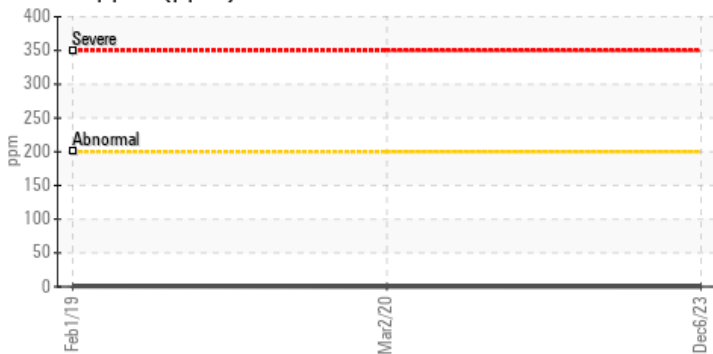
Aluminum (ppm)



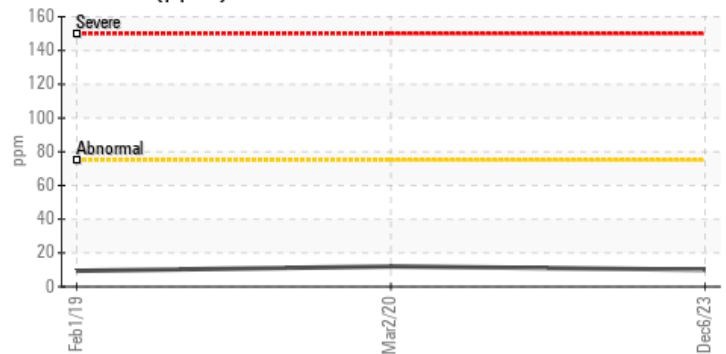
Chromium (ppm)



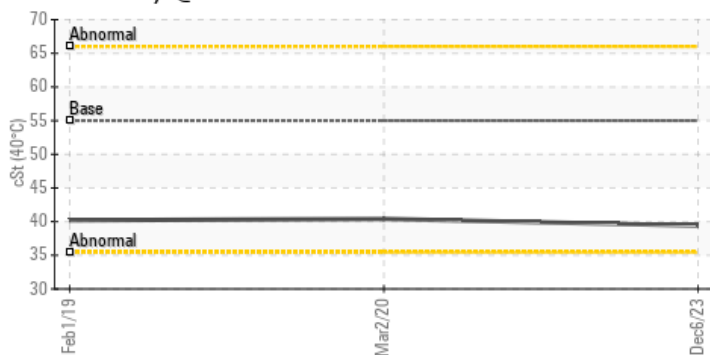
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

