



CONSTRUCTION EQUIPMENT

6183 VOLVO L90H 624973 - FRONT AXLE



Sample No: VCP439124
Oil Type: VOLVO WB 102
Job No: 6183



SAMPLE INFORMATION

Sample Number	VCP439124	VCP424929	VCP398506	VCP369913
Sample Date	02 Feb 2024	10 May 2023	31 Jan 2023	29 Nov 2022
Machine Hours	11234	9944	9127	8658
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	N/A	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

FORESTRY RESOURCES
 4353 MICHIGAN LINK
 FORT MYERS, FL
 US 33916
 Contact: COREY MUELLER



OIL CONDITION

Visc @ 40°C	cSt	44.1	44.9	46.0	42.9
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T: (239)872-1856
 F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	11	13	13	13
Sodium	ppm	2	3	5	2
Potassium	ppm	0	1	0	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	21	28	21	25
Copper	ppm	14	62	54	42
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	0	<1	1	1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	3	2	2	2
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3305	3478	3660	3880
Magnesium	ppm	27	22	21	19
Zinc	ppm	1435	1503	1488	1525
Phosphorus	ppm	1238	1252	1231	1234
Barium	ppm	0	0	0	0
Boron	ppm	145	121	135	125

Depot: FORFOTFL
Unique No: 10872966
Signed: Wes Davis
Report Date: 12 Feb 2024

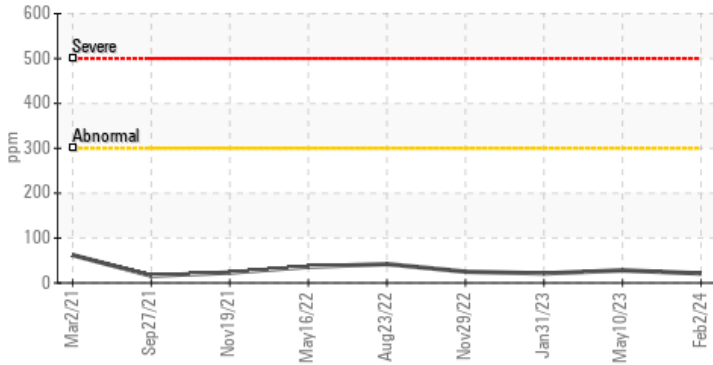


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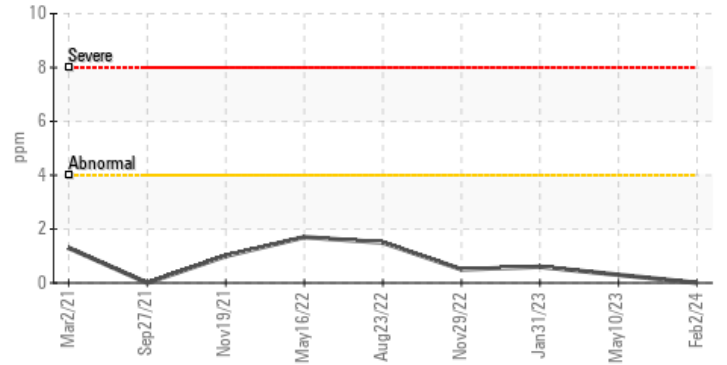


GRAPHS

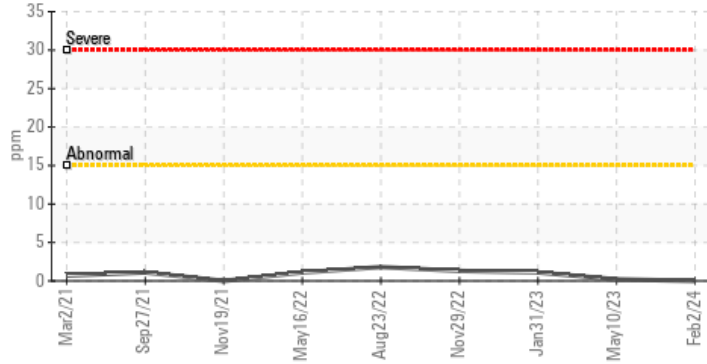
Iron (ppm)



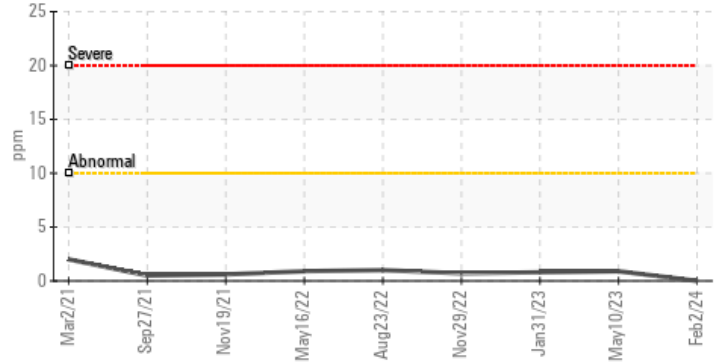
Lead (ppm)



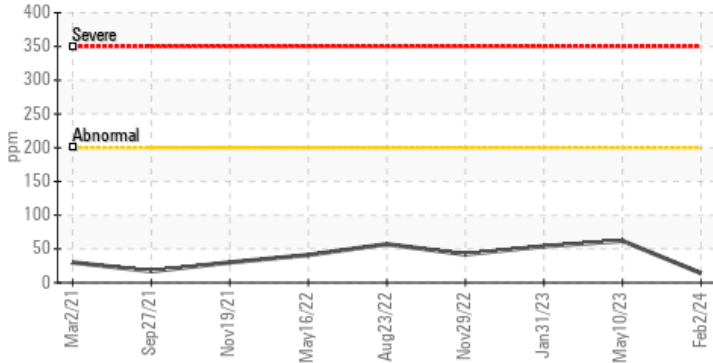
Aluminum (ppm)



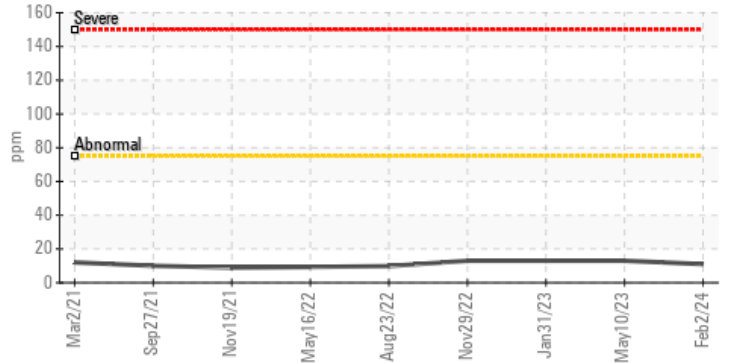
Chromium (ppm)



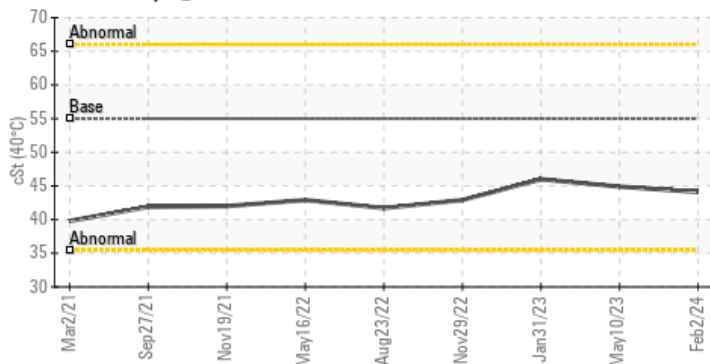
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

