



CONSTRUCTION EQUIPMENT

SWA633048 VOLVO L90H 624516 - FRONT AXLE



Sample No: VCP434317
Oil Type: VOLVO WB 102
Job No: SWA633048



SAMPLE INFORMATION

Sample Number	VCP434317	VCP412369	VCP269535	VCP261573
Sample Date	07 Nov 2023	14 Aug 2023	24 Mar 2020	29 Jan 2020
Machine Hours	11418	11024	3082	2557
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
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	42.2	41.9	43.4	41.4
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T: (239)872-1856
 F:



CONTAMINATION

Silicon	ppm	12	14	12	13
Sodium	ppm	7	8	8	7
Potassium	ppm	<1	1	0	2

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	70	69	26	102
Copper	ppm	4	0	<1	6
Lead	ppm	0	0	2	<1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	<1	2	<1	1
Chromium	ppm	<1	1	<1	4
Molybdenum	ppm	<1	<1	4	10
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	1	2	2	8
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	3090	3249	4023	4019
Magnesium	ppm	14	15	14	10
Zinc	ppm	1320	1437	1686	1495
Phosphorus	ppm	1082	1138	1295	1257
Barium	ppm	0	0	0	0
Boron	ppm	102	105	119	143

Depot: FORFOTFL
Unique No: 10740978
Signed: Wes Davis
Report Date: 15 Nov 2023

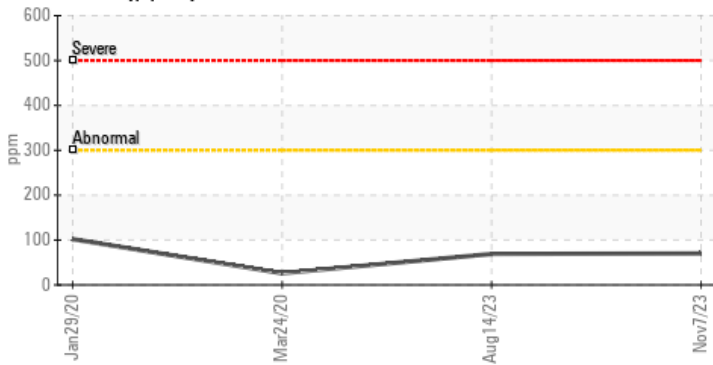


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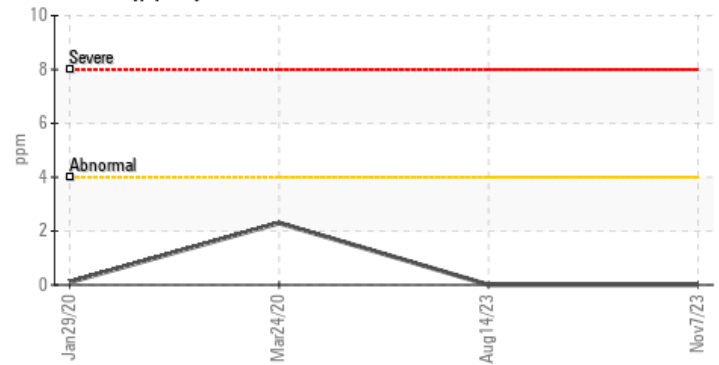


GRAPHS

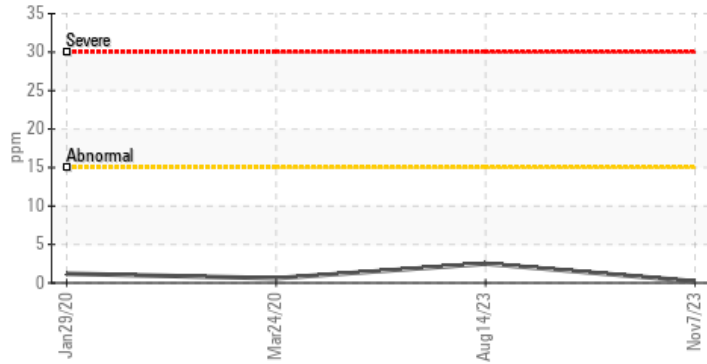
Iron (ppm)



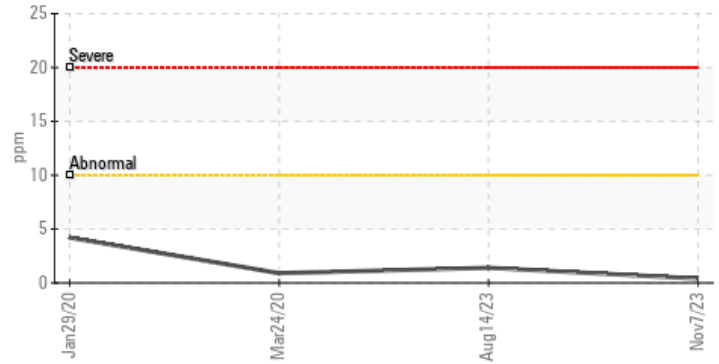
Lead (ppm)



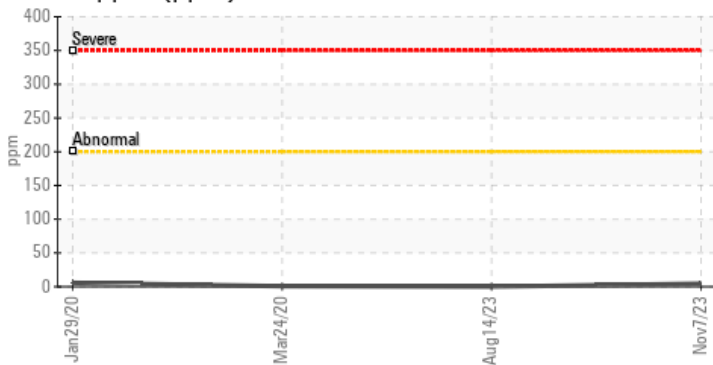
Aluminum (ppm)



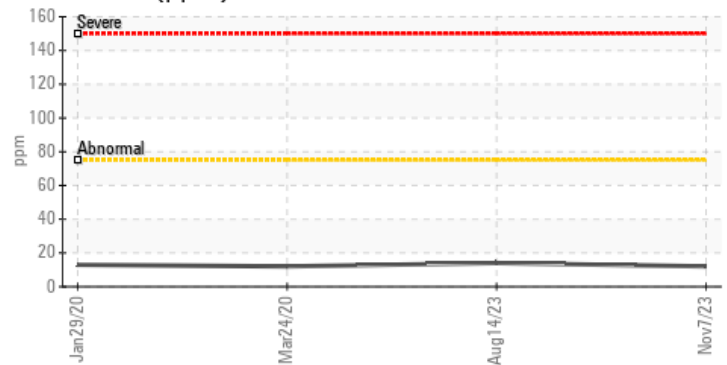
Chromium (ppm)



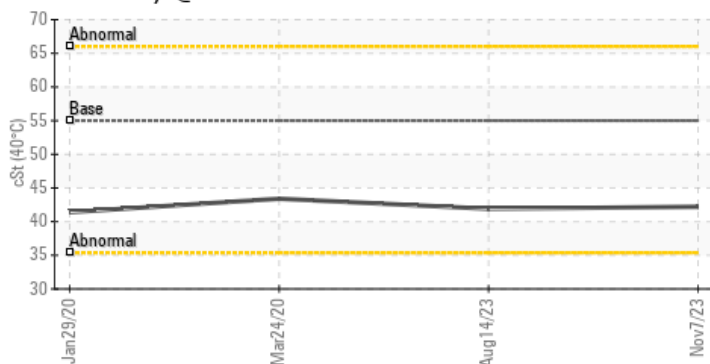
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

