



CONSTRUCTION EQUIPMENT

SWA633048 VOLVO L90H 624516 - REAR AXLE



Sample No: VCP434315
Oil Type: VOLVO WB 102
Job No: SWA633048



SAMPLE INFORMATION

Sample Number	VCP434315	VCP412363	VCP268110	VCP225967
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	N/A	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

FORESTRY RESOURCES

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



OIL CONDITION

Visc @ 40°C	cSt	42.5	42.5	40.0	39.3
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T: (239)872-1856
 F:



CONTAMINATION

Silicon	ppm	15	14	12	15
Sodium	ppm	10	8	8	7
Potassium	ppm	<1	1	0	3

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	113	68	24	139
Copper	ppm	23	0	99	609
Lead	ppm	0	0	2	3
Tin	ppm	2	<1	0	57
Aluminum	ppm	<1	2	<1	2
Chromium	ppm	<1	1	<1	5
Molybdenum	ppm	0	<1	<1	3
Nickel	ppm	<1	<1	<1	4
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	1	2	1	10
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	3778	3333	3862	3999
Magnesium	ppm	17	17	14	11
Zinc	ppm	1540	1483	1634	1491
Phosphorus	ppm	1266	1174	1250	1231
Barium	ppm	0	0	0	0
Boron	ppm	128	108	115	147

Depot: FORFOTFL
Unique No: 10740979
Signed: Wes Davis
Report Date: 15 Nov 2023

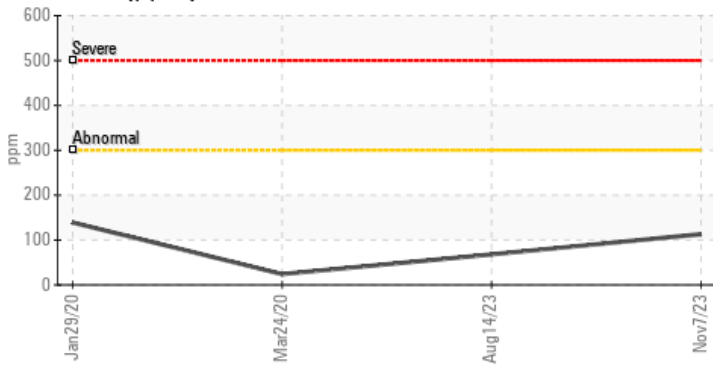


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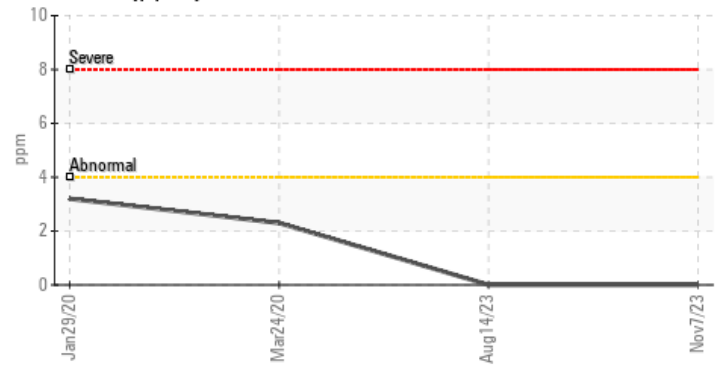


GRAPHS

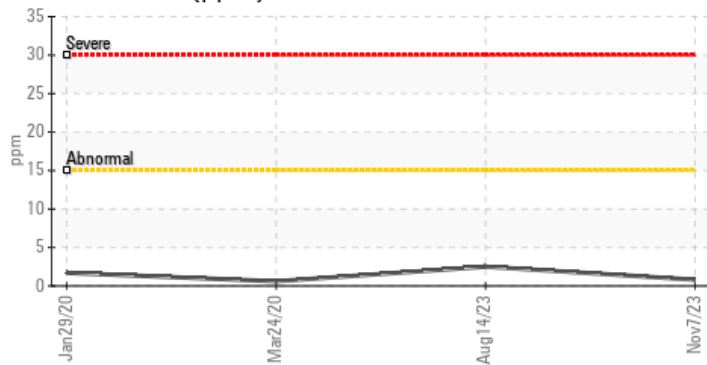
Iron (ppm)



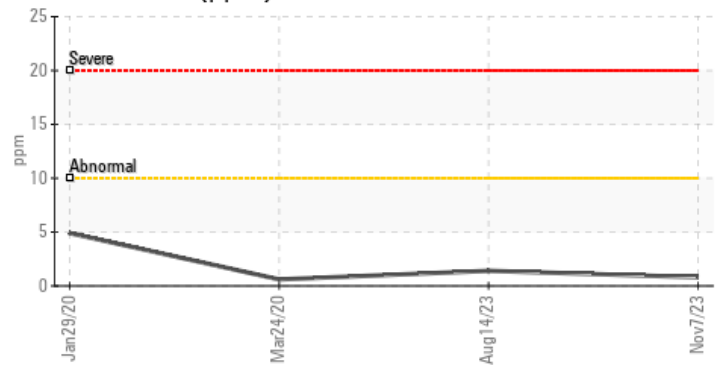
Lead (ppm)



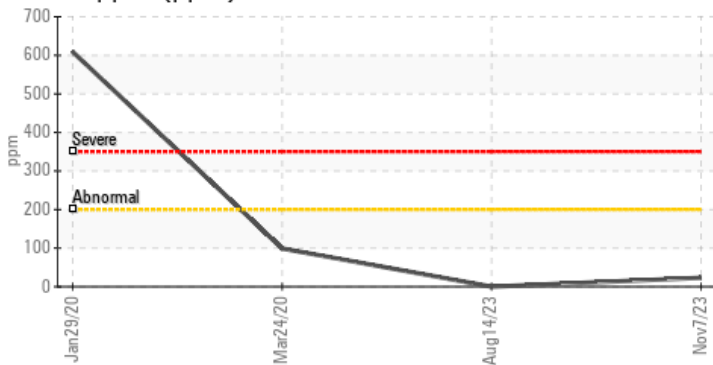
Aluminum (ppm)



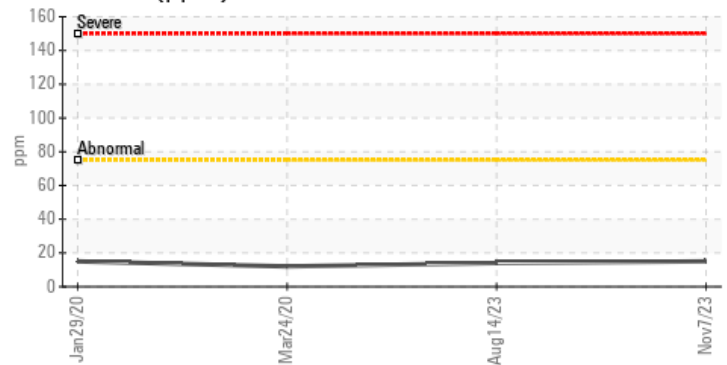
Chromium (ppm)



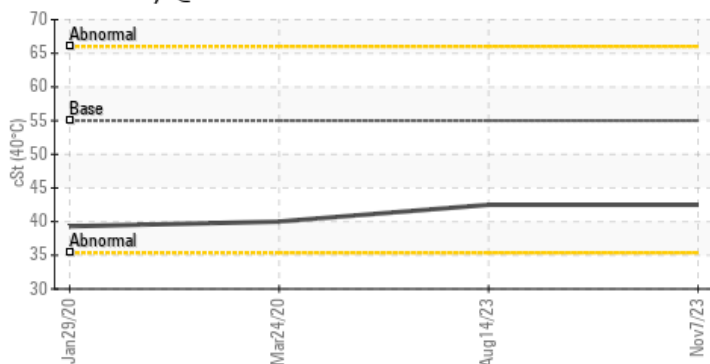
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

