



CONSTRUCTION EQUIPMENT

SW1023773 VOLVO L90H 625 149 - REAR AXLE



Sample No: VCP412555
Oil Type: VOLVO WB 102
Job No: SW1023773



SAMPLE INFORMATION

Sample Number	VCP412555	VCP353741	VCP335580	VCP291115
Sample Date	07 Sep 2023	28 Nov 2022	23 Sep 2021	09 Nov 2020
Machine Hours	8295	6675	4067	2401
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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 4323 EAST WINSLOW AVENUE
 PHOENIX, AZ
 US 85040
 Contact: RANDY PRZEKURAT
 randyp@arnoldmachinery.com
 T:
 F: (602)414-1904



OIL CONDITION

Visc @ 40°C	cSt	47.1	41.6	41.8	44.0
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CONTAMINATION

Silicon	ppm	6	11	11	16
Sodium	ppm	3	9	5	7
Potassium	ppm	4	0	2	0



WEAR METALS

Iron	ppm	47	66	52	117
Copper	ppm	3	10	14	34
Lead	ppm	<1	<1	<1	2
Tin	ppm	<1	<1	1	2
Aluminum	ppm	0	2	2	2
Chromium	ppm	<1	1	1	3
Molybdenum	ppm	1	4	<1	2
Nickel	ppm	0	0	<1	2
Titanium	ppm	0	0	<1	1
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	1	2	4
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	2333	3827	3941	3746
Magnesium	ppm	17	25	15	9
Zinc	ppm	1122	1522	1535	1535
Phosphorus	ppm	963	1258	1292	1310
Barium	ppm	0	0	0	0
Boron	ppm	27	132	141	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: VOLVO6174
Unique No: 10646482
Signed: Angela Borella
Report Date: 18 Sep 2023

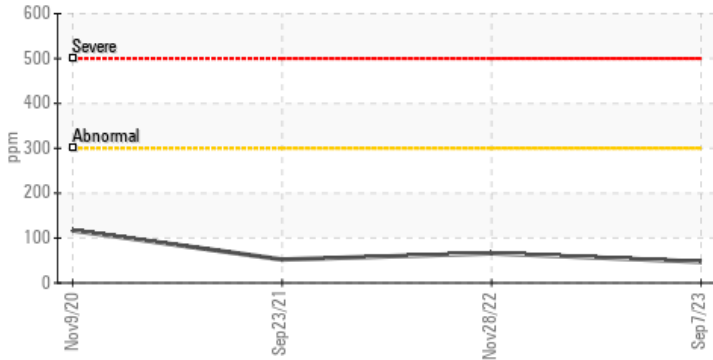


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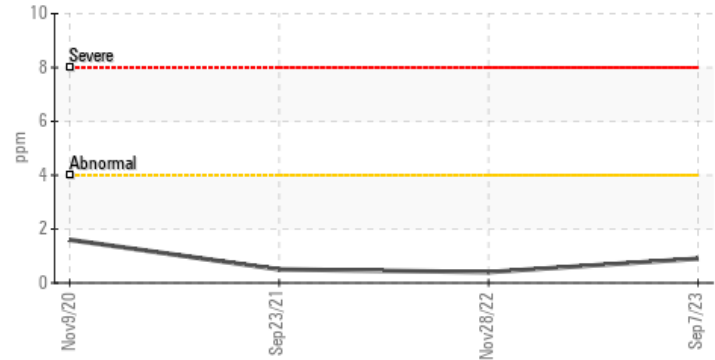


GRAPHS

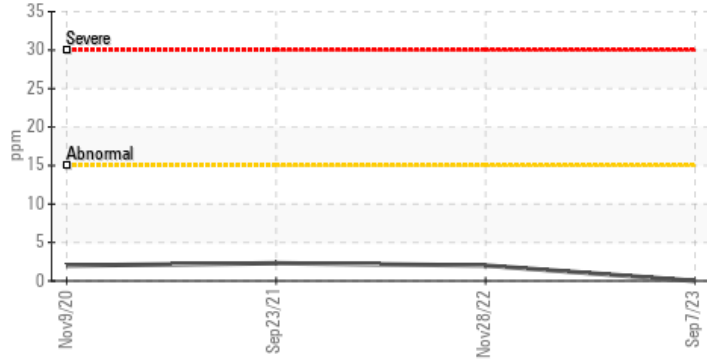
Iron (ppm)



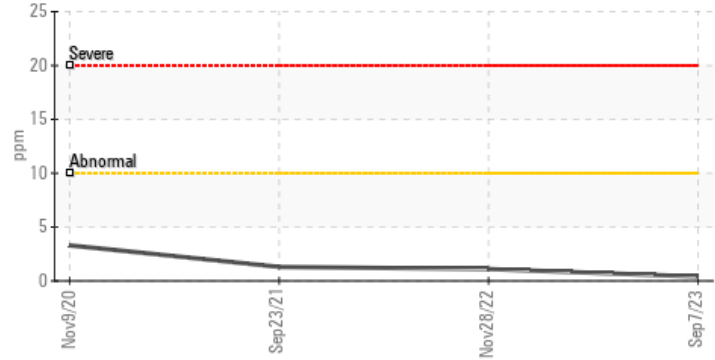
Lead (ppm)



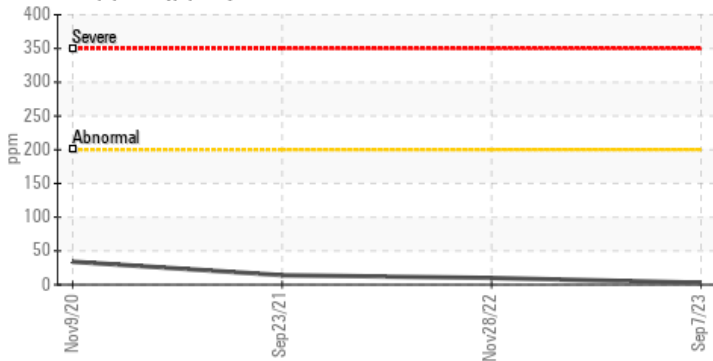
Aluminum (ppm)



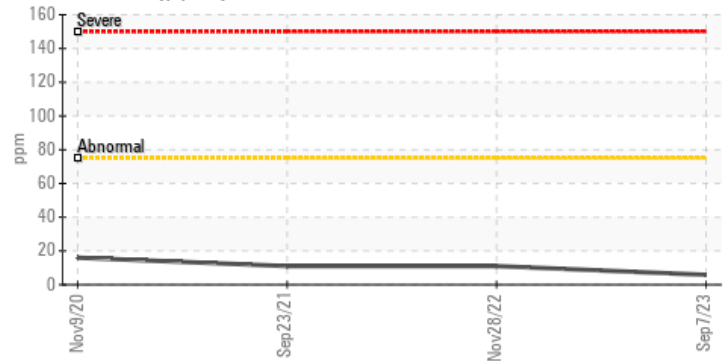
Chromium (ppm)



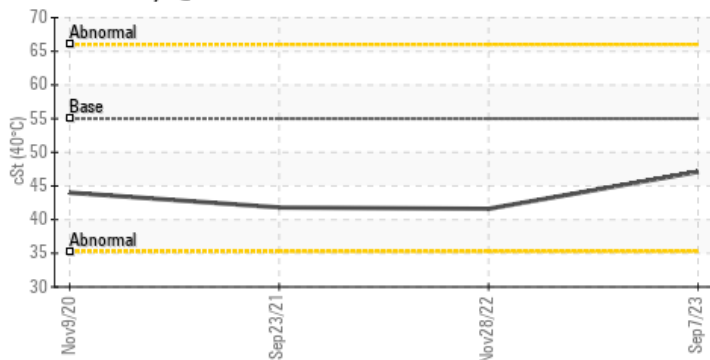
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

