



CONSTRUCTION EQUIPMENT

SWA392504 VOLVO L90F 68122 - FRONT AXLE



Sample No: VCP431183
Oil Type: VOLVO WB 102
Job No: SWA392504



SAMPLE INFORMATION

Sample Number	VCP431183	VCP358507	VCP345122	VCP317609
Sample Date	20 Oct 2023	16 Mar 2022	07 Dec 2021	14 Oct 2021
Machine Hours	22060	25099	24475	20556
Oil Hours	0	0	0	0
Oil Changed	N/A	Not Changd	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

EISS BROTHERS
 28250 NEW YORK 37
 WATERTOWN, NY
 US 13601
 Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 40°C	cSt	42.1	42.3	39.9	39.6
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T: (315)629-4370
 F:



CONTAMINATION

Silicon	ppm	19	26	11	▲ 90
Sodium	ppm	2	8	4	5
Potassium	ppm	2	0	<1	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	26	17	14	161
Copper	ppm	<1	0	<1	<1
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	<1	4	<1	▲ 13
Chromium	ppm	<1	<1	<1	2
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	<1	1
Silver	ppm	0	0	<1	0
Manganese	ppm	0	<1	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	4050	4048	4342	3798
Magnesium	ppm	15	15	16	20
Zinc	ppm	1622	1495	1650	1519
Phosphorus	ppm	1386	1262	1407	1226
Barium	ppm	0	0	0	0
Boron	ppm	142	133	124	134

Depot: EISWAT
Unique No: 10724394
Signed: Wes Davis
Report Date: 02 Nov 2023

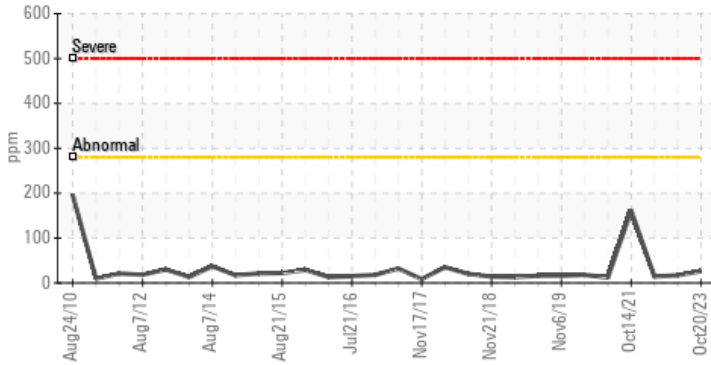


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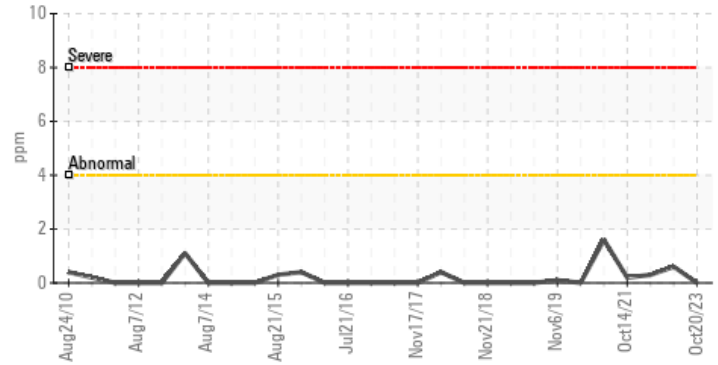


GRAPHS

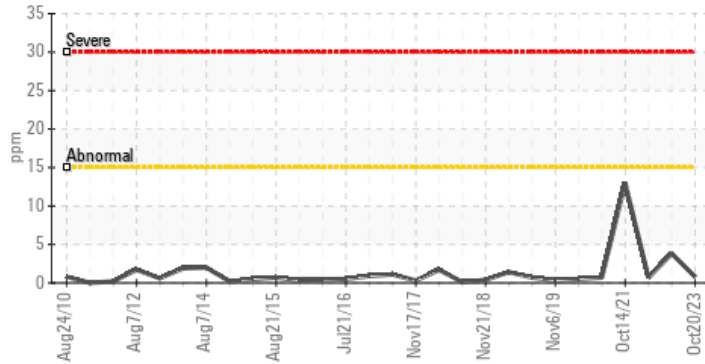
Iron (ppm)



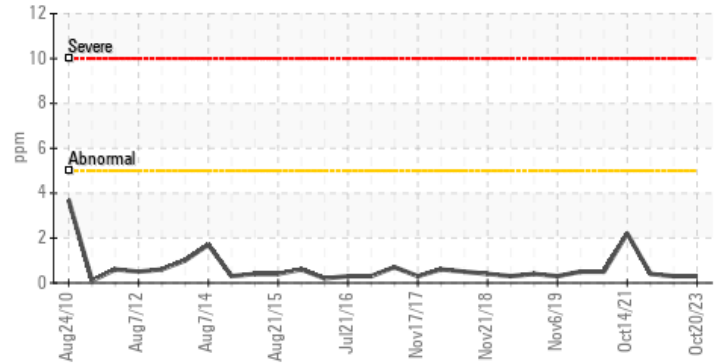
Lead (ppm)



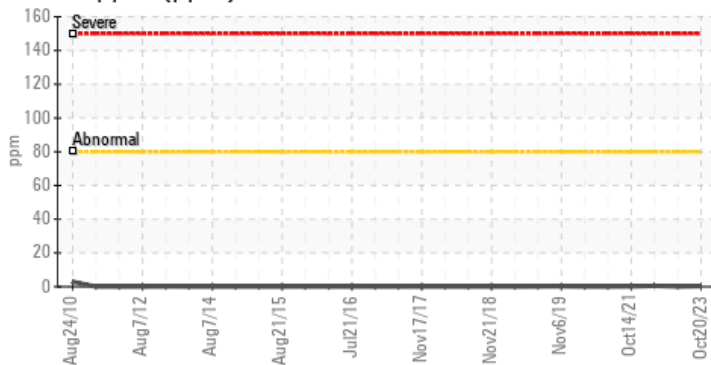
Aluminum (ppm)



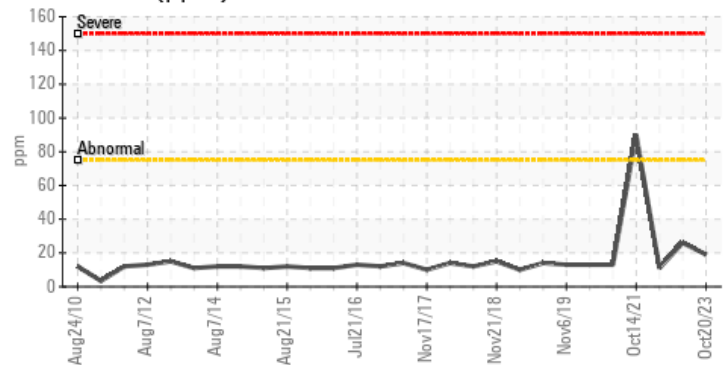
Chromium (ppm)



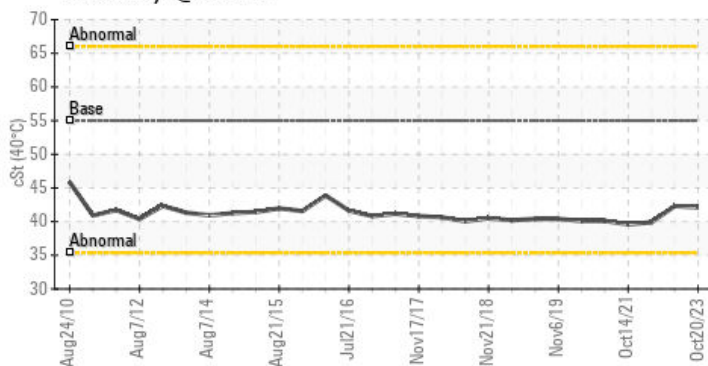
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

