



CONSTRUCTION EQUIPMENT

VOLVO L90H 624538 - FRONT AXLE



Sample No: VCP436524
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP436524	ASC0006361	ASC0002846	VCP426654
Sample Date	16 Apr 2024	11 Jan 2024	31 Oct 2023	03 Aug 2023
Machine Hours	10058	9518	9091	8577
Oil Hours	0	8422	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

IAA - INSURANCE AUTO AUCTIONS - CLAYTON
 60 SADISCO RD
 CLAYTON, NC
 US 27520
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	43.1	47.2	49.0	54.3
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	39	2	2	4
Sodium	ppm	0	<1	1	<1
Potassium	ppm	3	0	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	137	3	3	5
Copper	ppm	4	<1	<1	<1
Lead	ppm	1	0	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	4	<1	0	<1
Chromium	ppm	2	0	0	0
Molybdenum	ppm	1	4	8	12
Nickel	ppm	2	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	<1	0	0
Vanadium	ppm	<1	0	0	<1



ADDITIVES

Calcium	ppm	3868	715	1020	1619
Magnesium	ppm	21	78	111	168
Zinc	ppm	1545	649	758	955
Phosphorus	ppm	1346	542	635	801
Barium	ppm	2	0	0	0
Boron	ppm	160	8	11	17

Depot: INSCLA
Unique No: 10983590
Signed: Wes Davis
Report Date: 19 Apr 2024

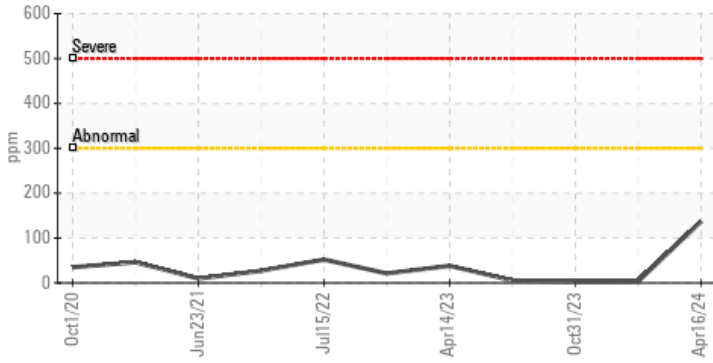


CONSTRUCTION EQUIPMENT

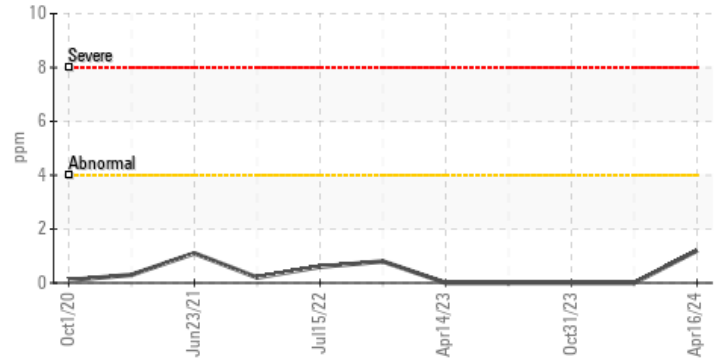


GRAPHS

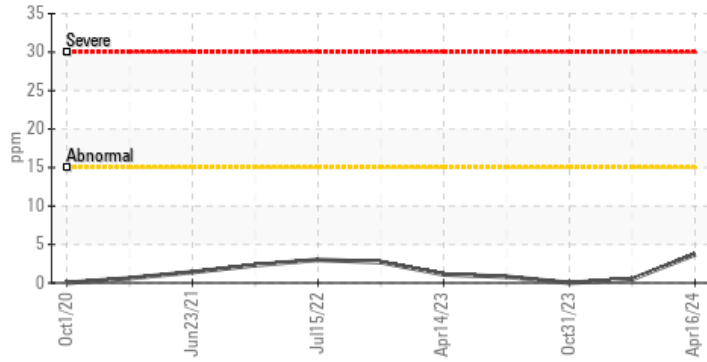
Iron (ppm)



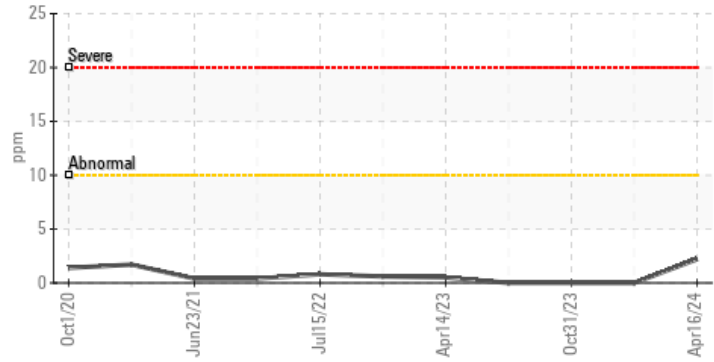
Lead (ppm)



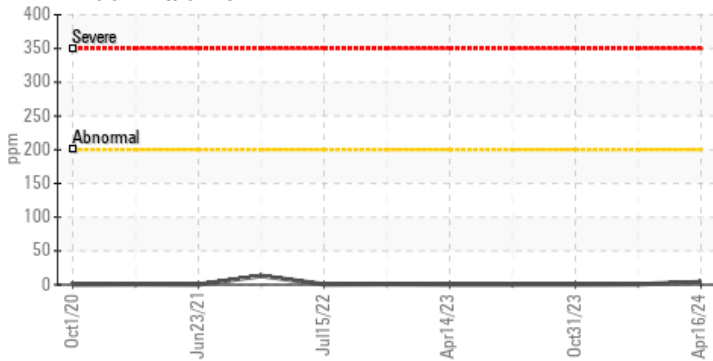
Aluminum (ppm)



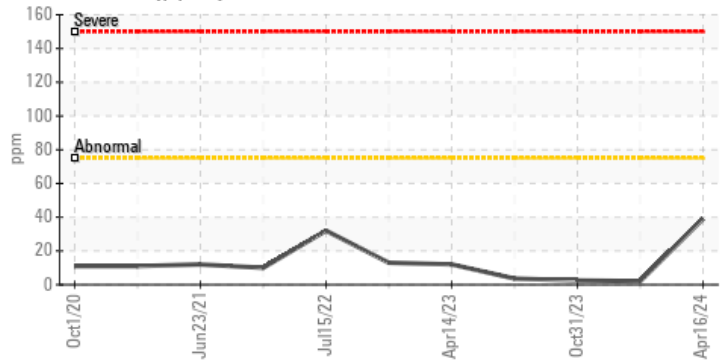
Chromium (ppm)



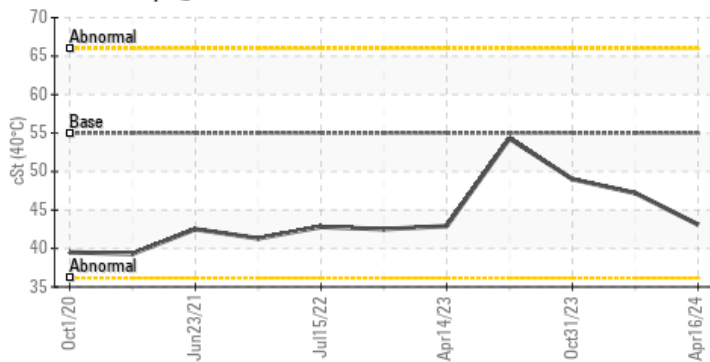
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

