



CONSTRUCTION EQUIPMENT

9859 VOLVO L90H 623827 - REAR AXLE



Sample No: VCP388515
Oil Type: VOLVO WB 102
Job No: 9859



SAMPLE INFORMATION

Sample Number	VCP388515	VCP361974	VCP334642	VCP310396
Sample Date	08 Dec 2023	14 Feb 2022	22 Sep 2021	17 May 2021
Machine Hours	8096	5990	5645	5140
Oil Hours	0	2000	1500	1000
Oil Changed	Changed	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

IAA - INSURANCE AUTO AUCTIONS - ELKTON
 183 ZEITLER RD
 ELKTON, MD
 US 21921
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	43.9	40.3	40.4	41.3
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	13	13	10	31
Sodium	ppm	4	8	3	11
Potassium	ppm	3	2	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	70	47	33	58
Copper	ppm	11	7	7	6
Lead	ppm	0	0	<1	<1
Tin	ppm	<1	1	1	1
Aluminum	ppm	1	2	<1	6
Chromium	ppm	<1	1	<1	<1
Molybdenum	ppm	<1	1	1	1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	2	2	1	1
Vanadium	ppm	0	<1	0	<1



ADDITIVES

Calcium	ppm	4008	4316	4018	4182
Magnesium	ppm	20	22	20	23
Zinc	ppm	1630	1800	1536	1581
Phosphorus	ppm	1395	1383	1325	1315
Barium	ppm	0	0	0	0
Boron	ppm	134	129	145	134

Depot: IAELK
Unique No: 10789023
Signed: Wes Davis
Report Date: 14 Dec 2023

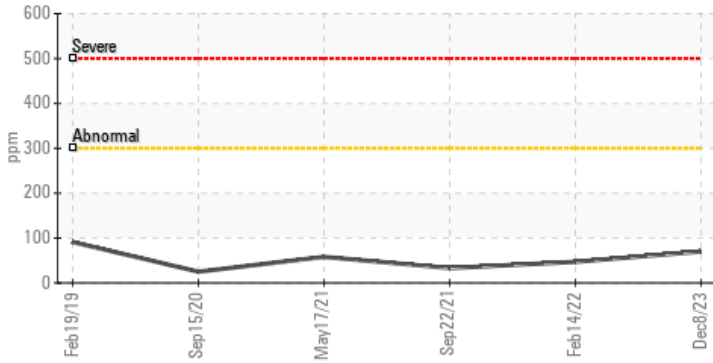


CONSTRUCTION EQUIPMENT

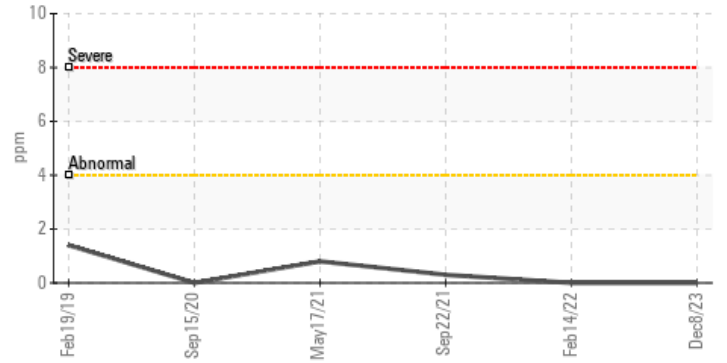


GRAPHS

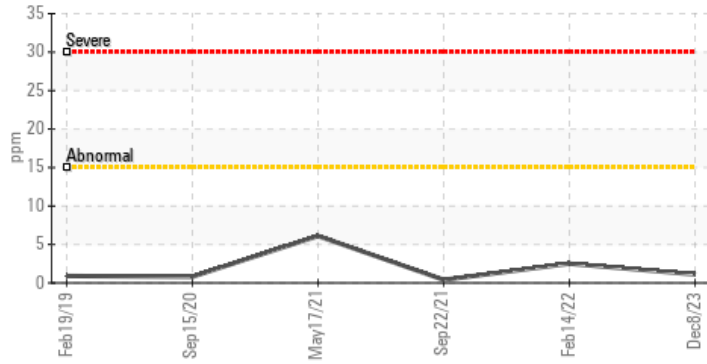
Iron (ppm)



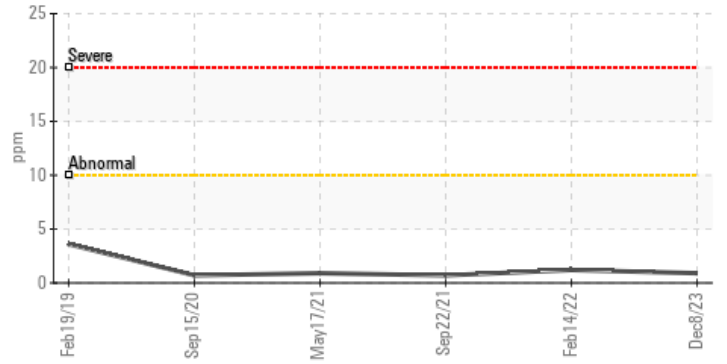
Lead (ppm)



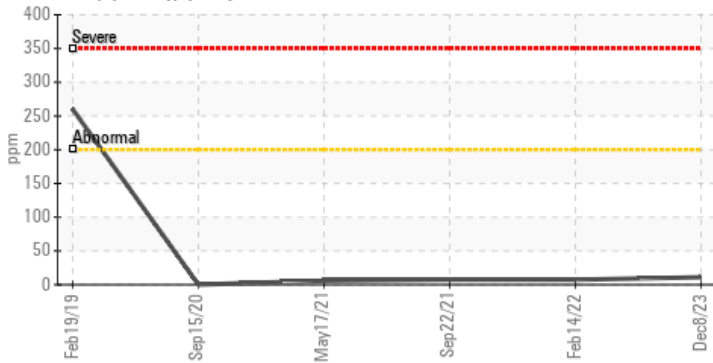
Aluminum (ppm)



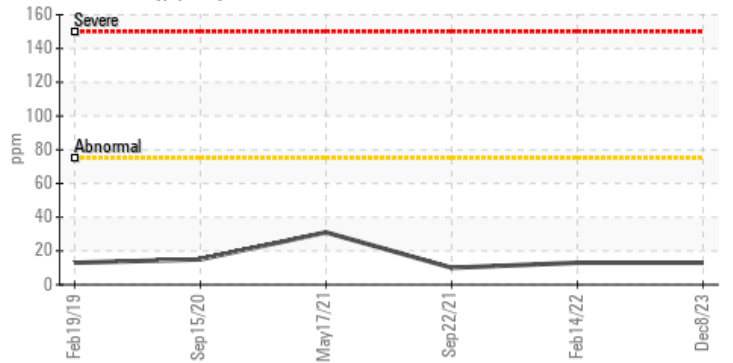
Chromium (ppm)



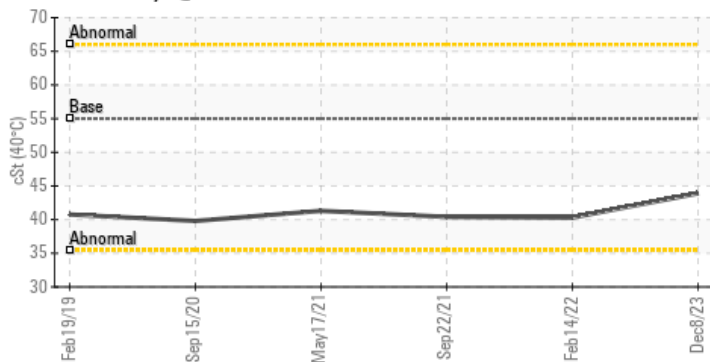
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

