



CONSTRUCTION EQUIPMENT

A12576 VOLVO L90H 624283 - REAR AXLE



Sample No: VCP425966
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: A12576



SAMPLE INFORMATION

Sample Number	VCP425966	VCP363737	VCP372041	VCP319625
Sample Date	06 May 2024	09 Mar 2023	17 Jun 2022	03 Sep 2021
Machine Hours	10610	8660	7230	6020
Oil Hours	2000	2000	0	2000
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

IAA - INSURANCE AUTO AUCTIONS - BRIDGEPORT
 396 E SCHUYLKILL RIVER RD
 BRIDGEPORT, PA
 US 19405
 Contact: DOUG



OIL CONDITION

Visc @ 40°C	cSt	41.7	43.3	42.3	42.3
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	31	11	13	16
Sodium	ppm	0	2	9	9
Potassium	ppm	4	2	0	0

Diagnosis

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Bearing and/or bushing wear is indicated. High concentration of visible metal present. 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	215	34	26	39
Copper	ppm	108	4	2	7
Lead	ppm	2	<1	0	<1
Tin	ppm	10	<1	<1	<1
Aluminum	ppm	7	3	2	2
Chromium	ppm	2	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	1	<1	0	0
Titanium	ppm	<1	<1	0	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	3	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	3936	2328	3421	3778
Magnesium	ppm	17	15	23	22
Zinc	ppm	1605	1102	1402	1523
Phosphorus	ppm	1452	872	1152	1271
Barium	ppm	0	0	0	0
Boron	ppm	133	69	113	105

Depot: IAABRI
Unique No: 11033054
Signed: Sean Felton
Report Date: 20 May 2024

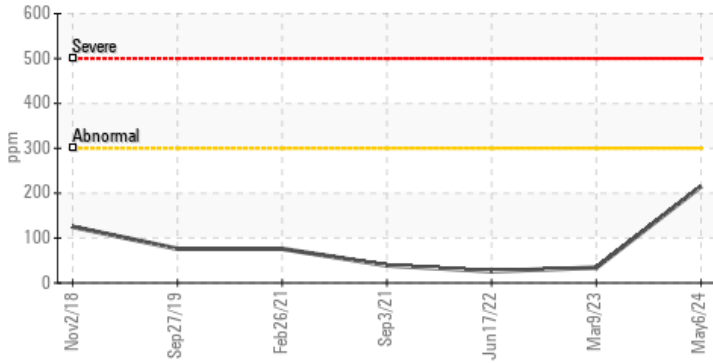


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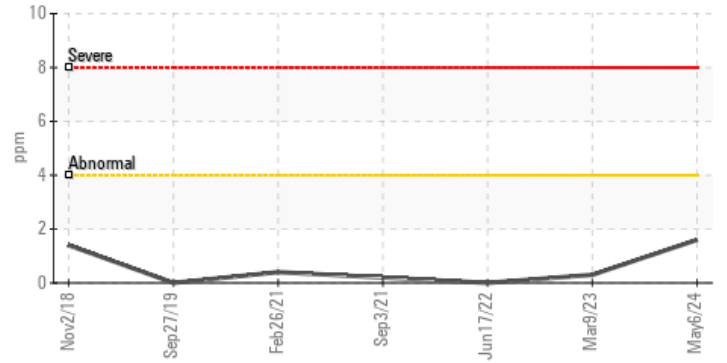


GRAPHS

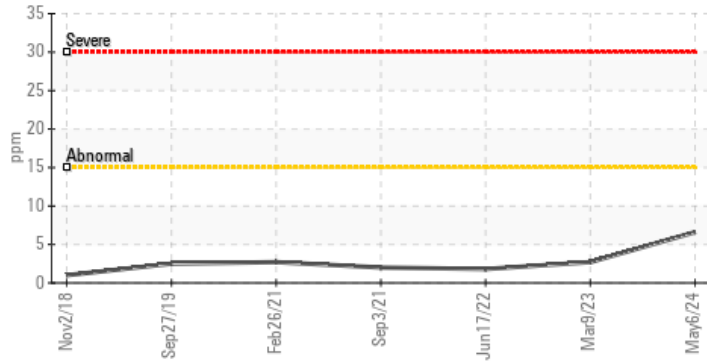
Iron (ppm)



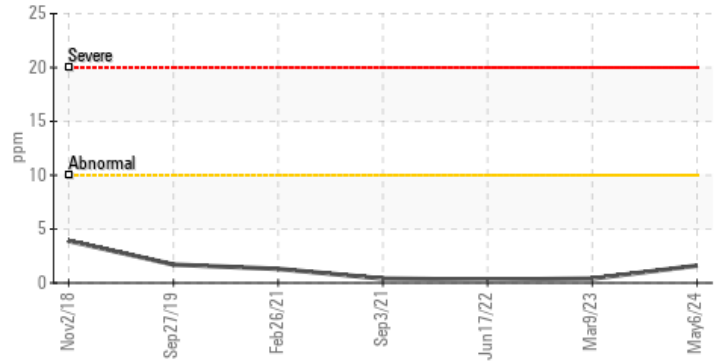
Lead (ppm)



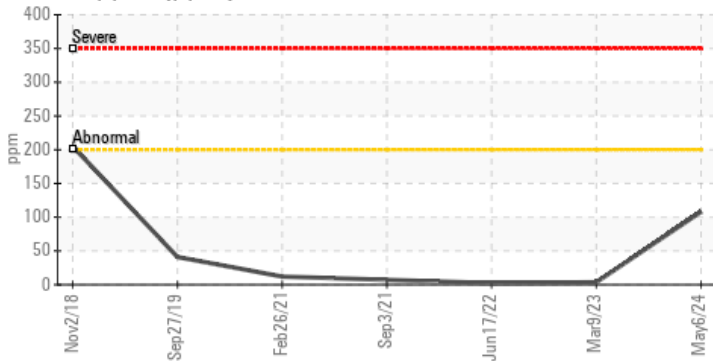
Aluminum (ppm)



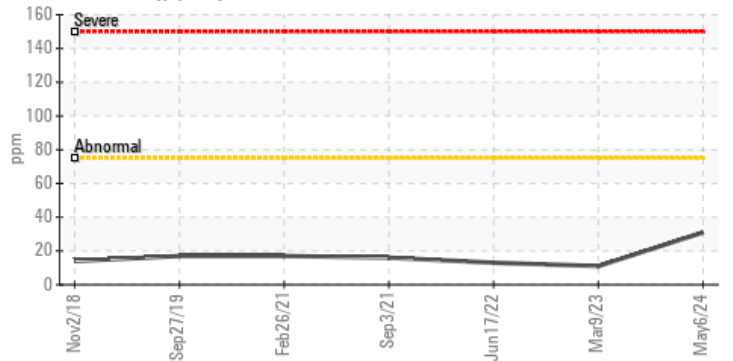
Chromium (ppm)



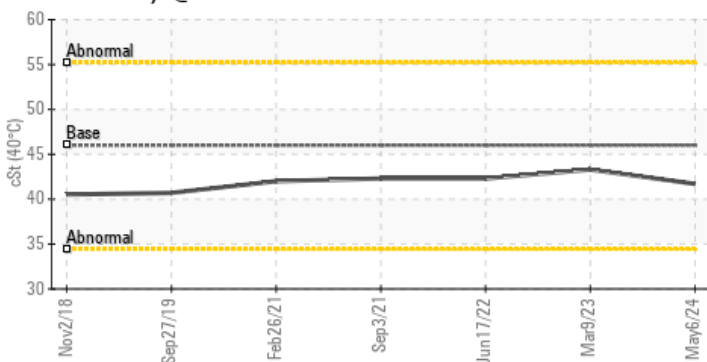
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

