



CONSTRUCTION EQUIPMENT

SWA286531-10 VOLVO L90H 623596 - REAR AXLE



Sample No: VCP407436
Oil Type: VOLVO WB 102
Job No: SWA286531-10



SAMPLE INFORMATION

Sample Number	VCP407436	VCP376193	VCP328196	VCP322960
Sample Date	28 Jun 2023	22 Aug 2022	16 Dec 2021	28 Jul 2021
Machine Hours	11338	10360	9295	8765
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

IAA - INSURANCE AUTO AUCTIONS - ROCK TAVERN
 39 STONE CASTLE RD
 ROCK TAVERN, NY
 US 12575
 Contact: SERVICE MANAGER

OIL CONDITION

Visc @ 40°C	cSt	42.5	42.5	44.1	41.8
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T:
F:

CONTAMINATION

Silicon	ppm	20	13	13	12
Sodium	ppm	6	7	6	8
Potassium	ppm	3	1	<1	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	23	14	22	19
Copper	ppm	1	<1	<1	<1
Lead	ppm	0	<1	0	<1
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	2	2	0	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	11	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	4104	3887	4305	4155
Magnesium	ppm	14	15	14	16
Zinc	ppm	1597	1603	1431	1584
Phosphorus	ppm	1292	1255	1355	1316
Barium	ppm	0	0	0	0
Boron	ppm	144	134	147	210

Depot: INSROC
Unique No: 10561639
Signed: Wes Davis
Report Date: 18 Jul 2023

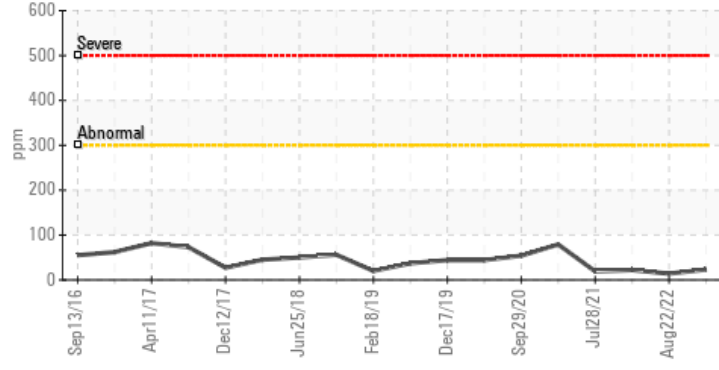


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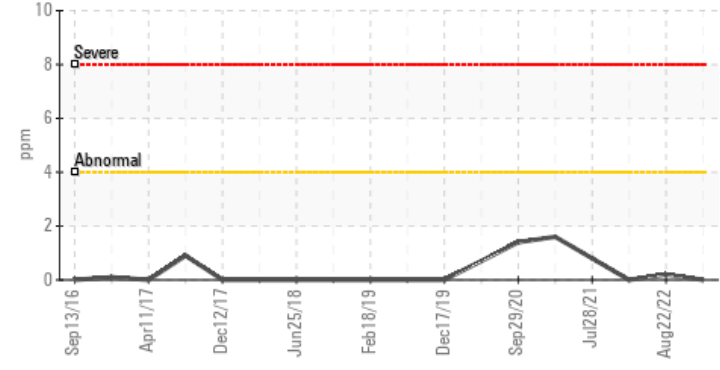


GRAPHS

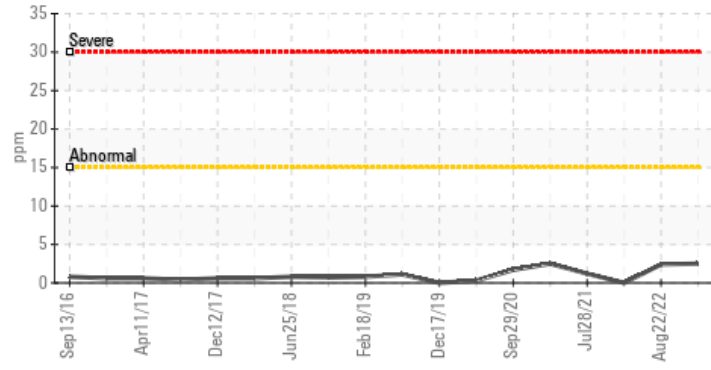
Iron (ppm)



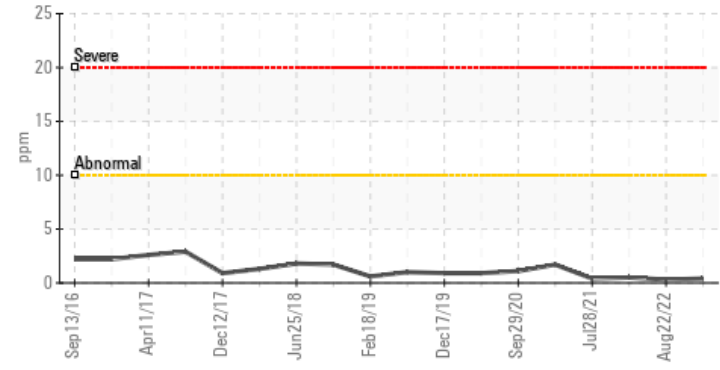
Lead (ppm)



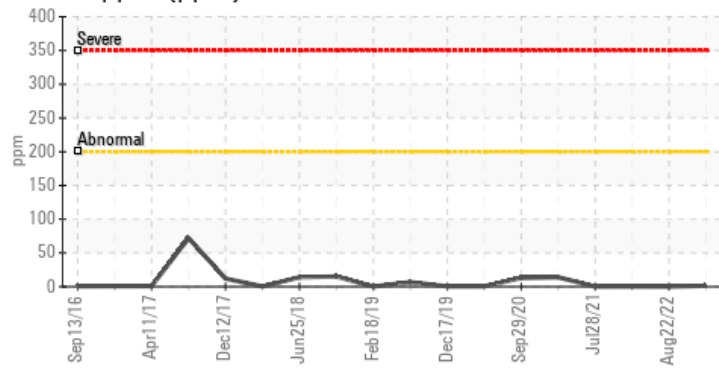
Aluminum (ppm)



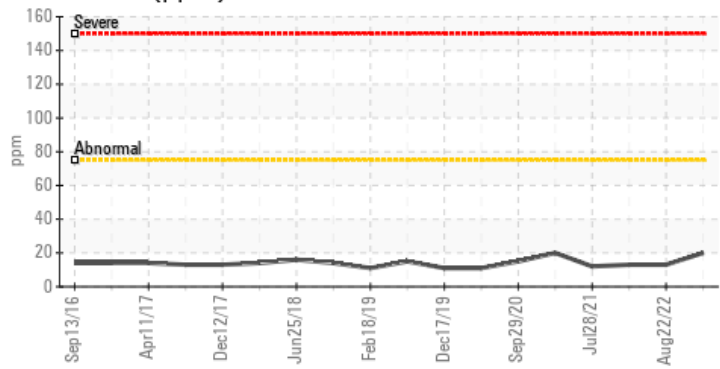
Chromium (ppm)



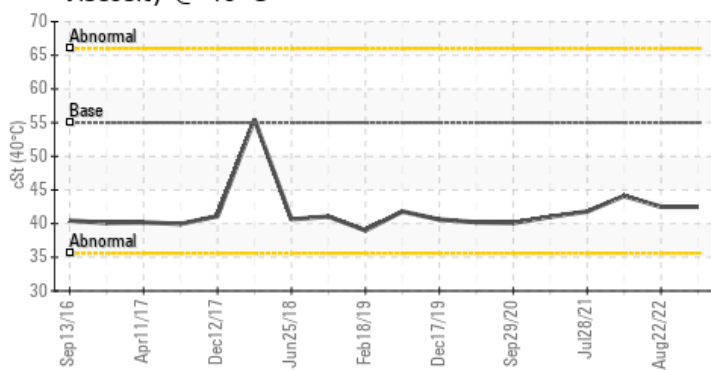
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

