



CONSTRUCTION EQUIPMENT

SWA286531-10 VOLVO L90H 623596 - FRONT AXLE



Sample No: VCP407433
Oil Type: VOLVO WB 102
Job No: SWA286531-10



SAMPLE INFORMATION

Sample Number	VCP407433	VCP376191	VCP328257	VCP278050
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 Changd	N/A	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	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	42.0	42.4	42.0	43.4
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T:
F:



CONTAMINATION

Silicon	ppm	13	13	13	12
Sodium	ppm	5	7	6	8
Potassium	ppm	2	2	<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	18	14	23	20
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	<1	0	<1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	1	2	0	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	11	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3966	3906	4274	4165
Magnesium	ppm	11	15	14	16
Zinc	ppm	1594	1616	1433	1577
Phosphorus	ppm	1309	1264	1355	1305
Barium	ppm	0	0	0	0
Boron	ppm	136	135	146	208

Depot: INSROC
Unique No: 10561640
Signed: Wes Davis
Report Date: 18 Jul 2023

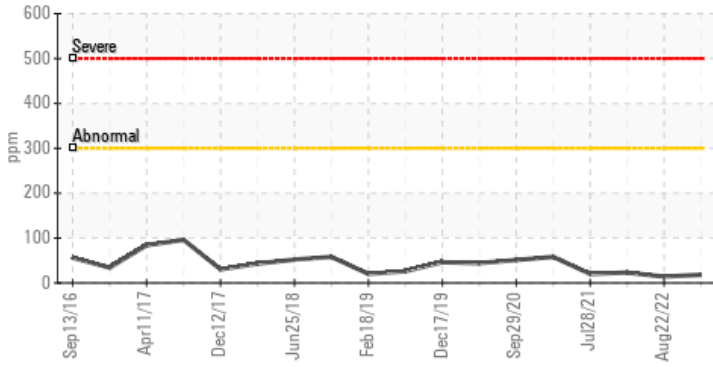


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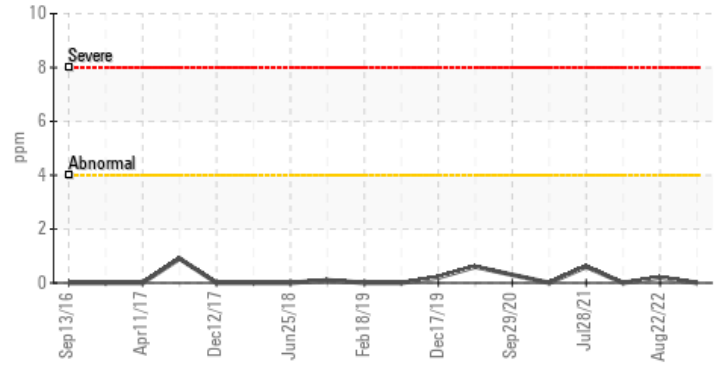


GRAPHS

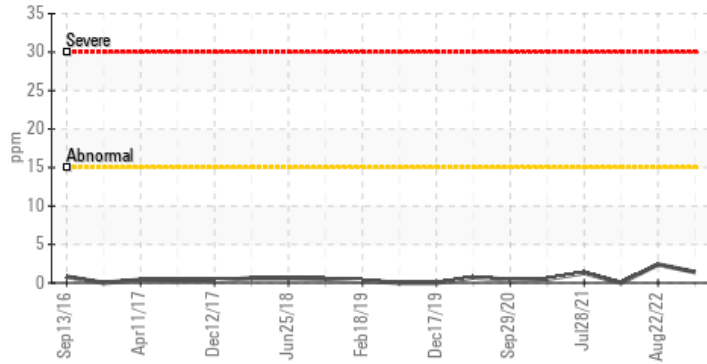
Iron (ppm)



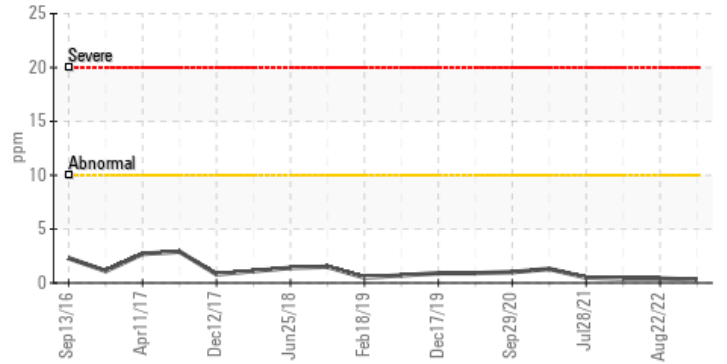
Lead (ppm)



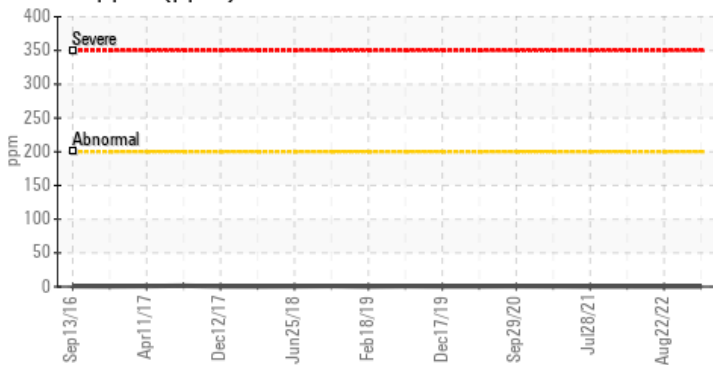
Aluminum (ppm)



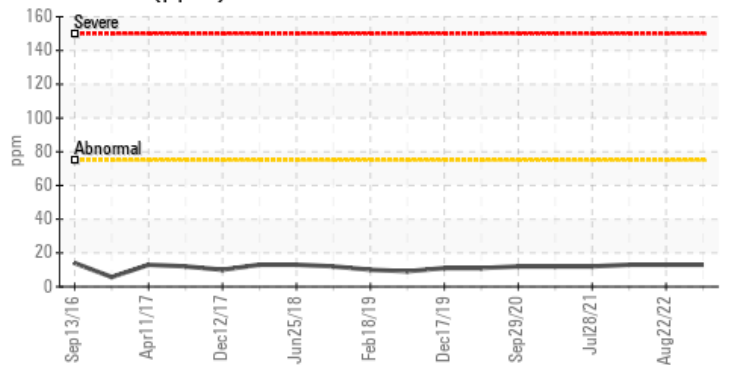
Chromium (ppm)



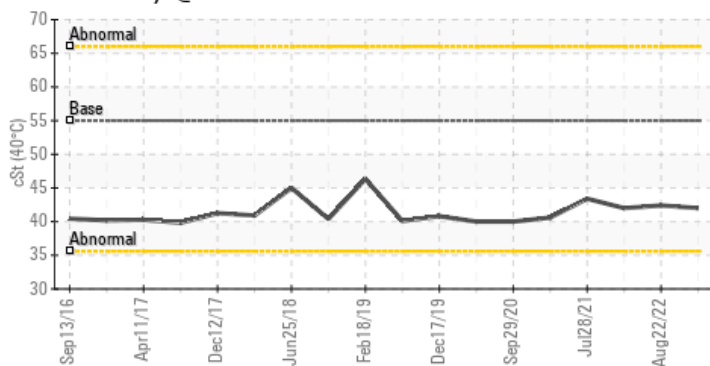
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

