



CONSTRUCTION EQUIPMENT

VOLVO L90H 623623 - REAR AXLE



Sample No: VCP441082
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP441082	VCP318222	VCP302295	VCP270733
Sample Date	02 Feb 2024	09 Aug 2021	25 Jan 2021	20 Mar 2020
Machine Hours	13435	9114	8072	6543
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	42.4	43.6	40.3	39.9
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	15	12	12	16
Sodium	ppm	4	9	5	6
Potassium	ppm	2	0	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	43	21	21	35
Copper	ppm	2	1	2	4
Lead	ppm	<1	<1	<1	0
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	1	0	0	<1
Chromium	ppm	1	<1	<1	1
Molybdenum	ppm	2	2	1	0
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	4	0	0
Manganese	ppm	1	<1	<1	1
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	3818	3947	4528	3965
Magnesium	ppm	19	16	19	13
Zinc	ppm	1608	1571	1641	1604
Phosphorus	ppm	1353	1255	1468	1274
Barium	ppm	0	0	0	<1
Boron	ppm	126	190	146	118

Depot: VOLVO0090
Unique No: 10862307
Signed: Wes Davis
Report Date: 06 Feb 2024

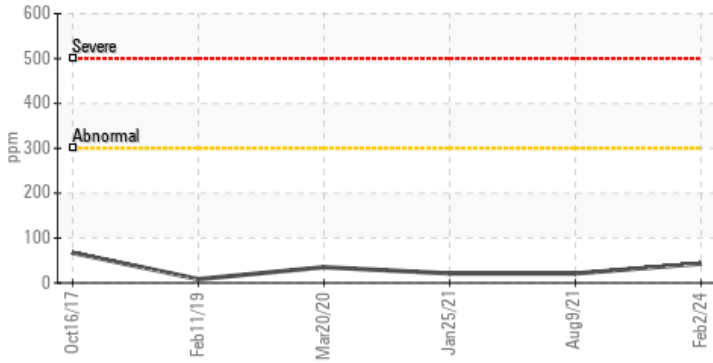


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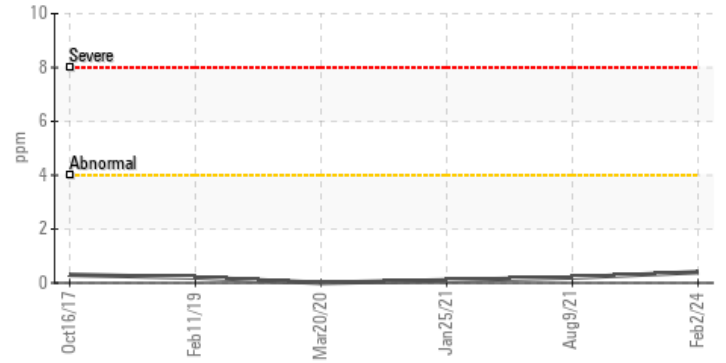


GRAPHS

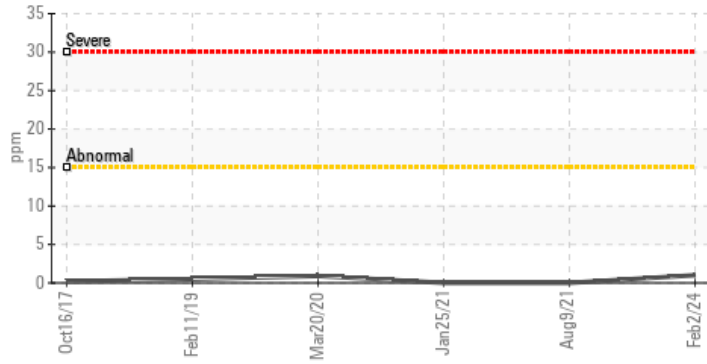
Iron (ppm)



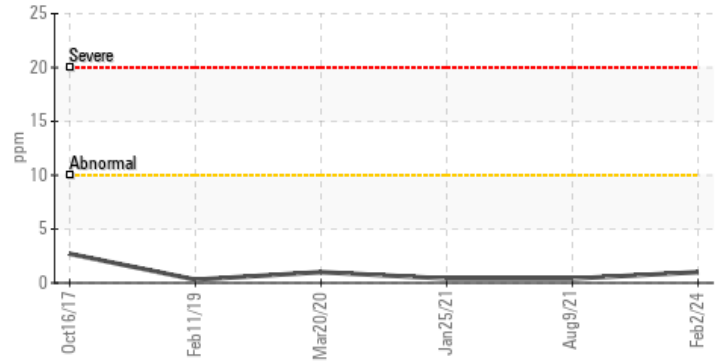
Lead (ppm)



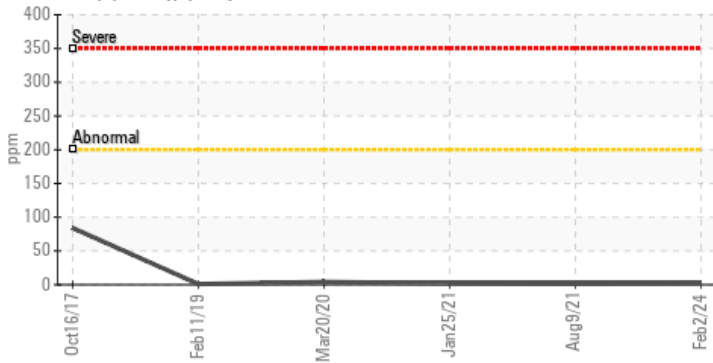
Aluminum (ppm)



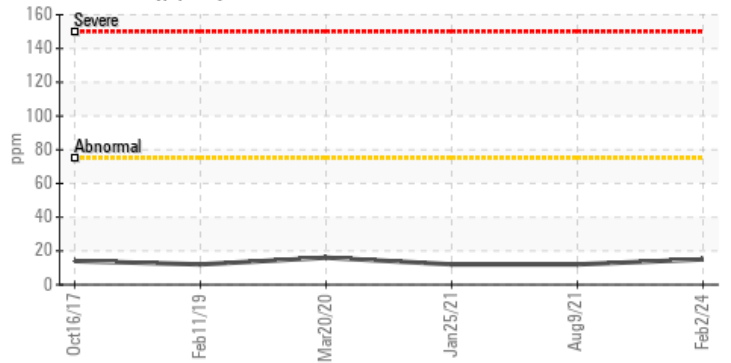
Chromium (ppm)



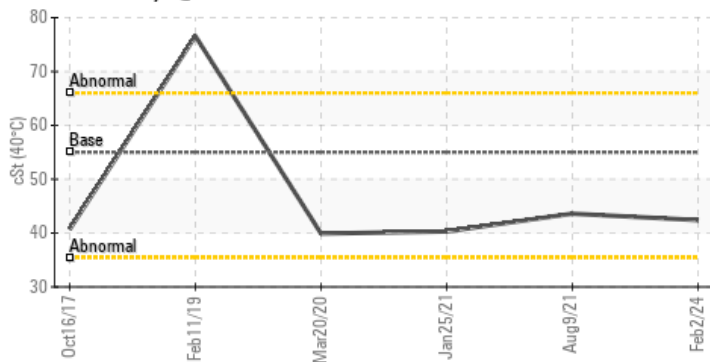
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

