



CONSTRUCTION EQUIPMENT

VOLVO A40G 352356 - WET DISC BRAKE



Sample No: VCP442940
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP442940	VCP328965	VCP293525	---
Sample Date	17 Jan 2024	30 Sep 2021	02 Dec 2020	---
Machine Hours	5047	2378	983	---
Oil Hours	0	0	983	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	42.1	39.7	39.7	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	16	16	15	---
Sodium	ppm	6	10	7	---
Potassium	ppm	<1	<1	<1	---

Diagnosis
 No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. 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	19	23	15	---
Copper	ppm	206	266	158	---
Lead	ppm	3	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	1	3	0	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	4	7	5	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	<1	<1	---
Manganese	ppm	<1	1	1	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	3441	3741	4184	---
Magnesium	ppm	14	14	8	---
Zinc	ppm	1449	1465	1577	---
Phosphorus	ppm	1228	1274	1418	---
Barium	ppm	0	0	0	---
Boron	ppm	106	119	124	---

Depot: VOLVO0090
Unique No: 10843776
Signed: Sean Felton
Report Date: 24 Jan 2024

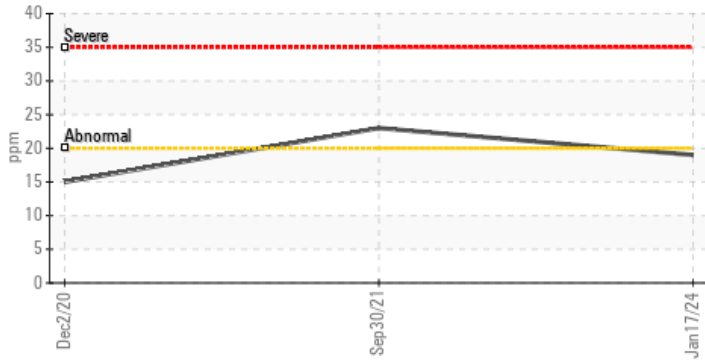


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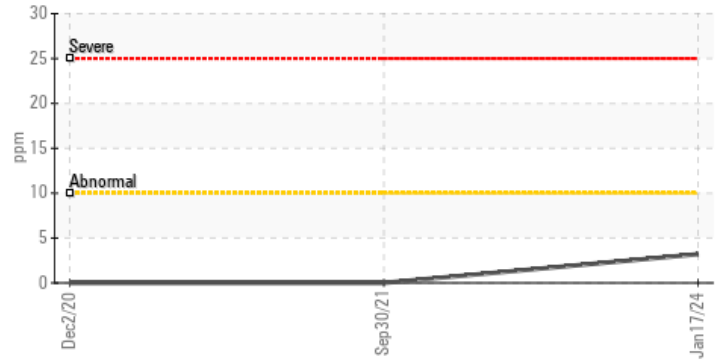


GRAPHS

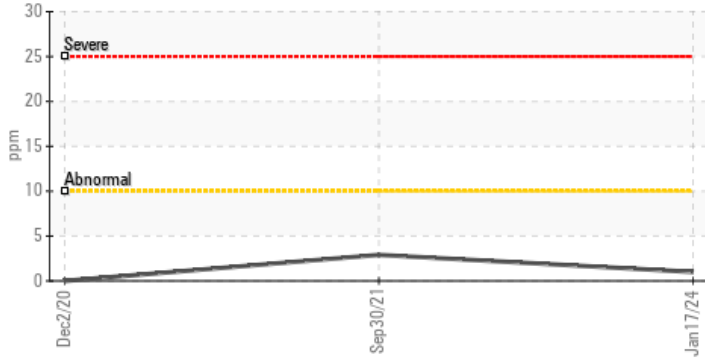
Iron (ppm)



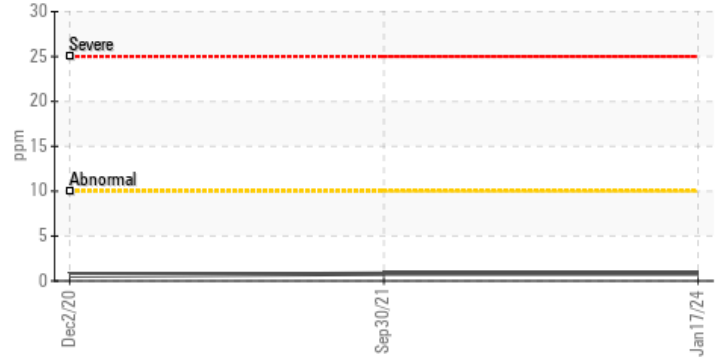
Lead (ppm)



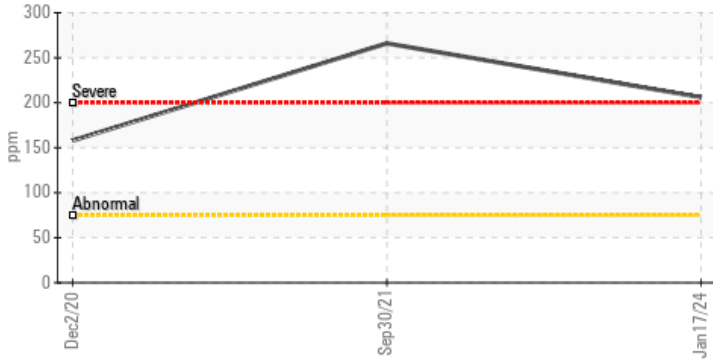
Aluminum (ppm)



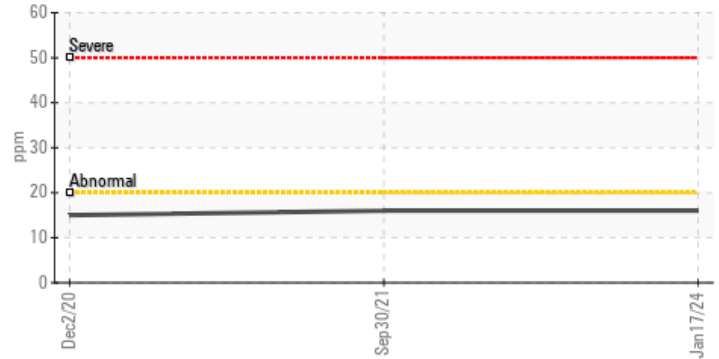
Chromium (ppm)



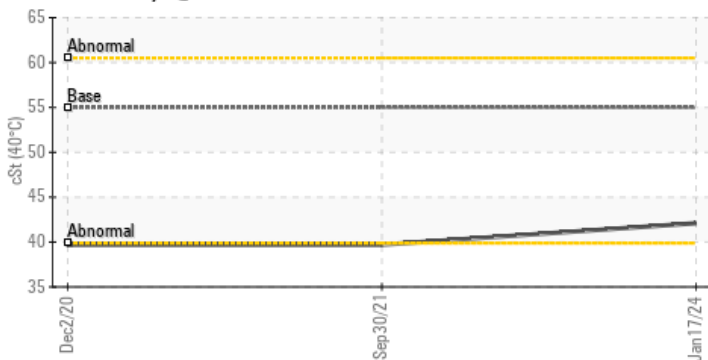
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

