



CONSTRUCTION EQUIPMENT

SWA553569-10 VOLVO A45G 752043 - WET DISC BRAKE



Sample No: VCP455394
Oil Type: VOLVO WET BRAKE TRANSAXLE OIL
Job No: SWA553569-10



SAMPLE INFORMATION

Sample Number	VCP455394	VCP437316	VCP439080	---
Sample Date	04 May 2024	16 Apr 2024	27 Dec 2023	---
Machine Hours	1761	1632	931	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Not Changd	Not Changd	---
Sample Status	ABNORMAL	ABNORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	43.8	43.6	43.6	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	16	14	12	---
Sodium	ppm	2	4	3	---
Potassium	ppm	4	1	<1	---

Diagnosis
 No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. The copper level is abnormal. 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	38	37	17	---
Copper	ppm	146	134	97	---
Lead	ppm	<1	0	1	---
Tin	ppm	<1	0	<1	---
Aluminum	ppm	2	0	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	6	4	4	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	1	2	<1	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	3610	3692	3611	---
Magnesium	ppm	8	0	0	---
Zinc	ppm	1501	1561	1560	---
Phosphorus	ppm	1289	1354	1286	---
Barium	ppm	0	0	0	---
Boron	ppm	136	129	119	---

Depot: VOLVO0090
Unique No: 11017760
Signed: Don Baldrige
Report Date: 09 May 2024

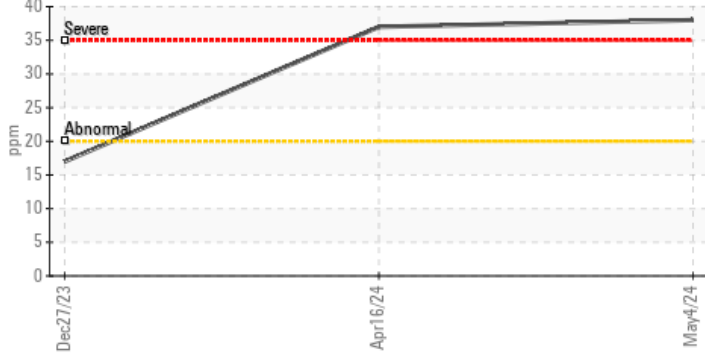


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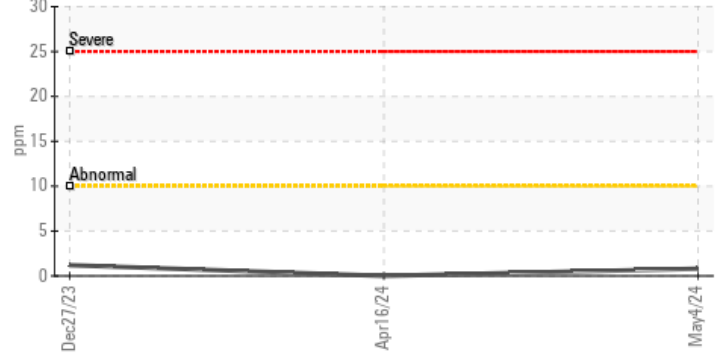


VOLVO GRAPHS

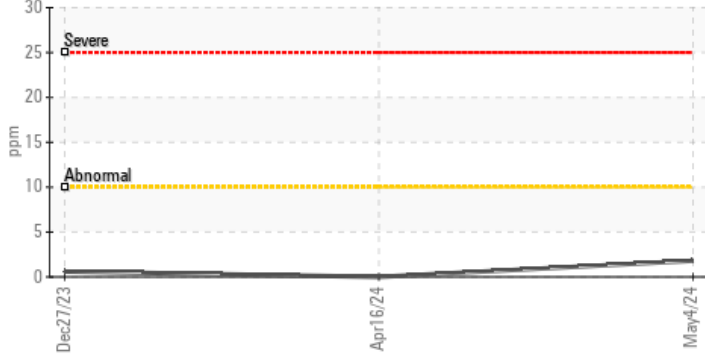
▲ Iron (ppm)



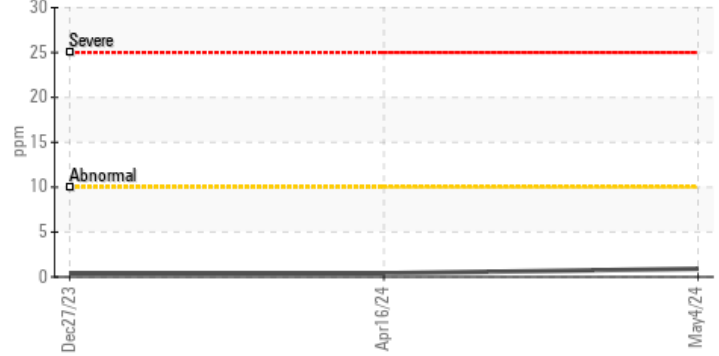
Lead (ppm)



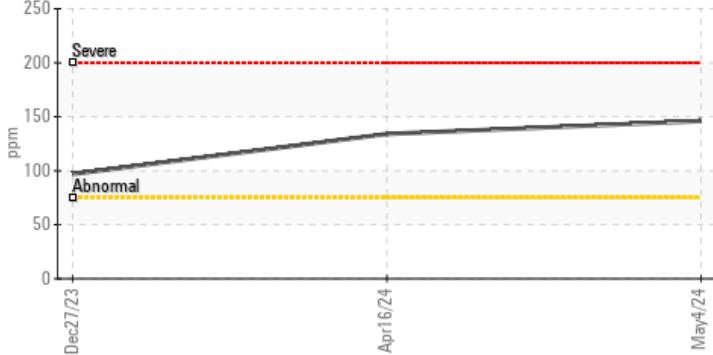
Aluminum (ppm)



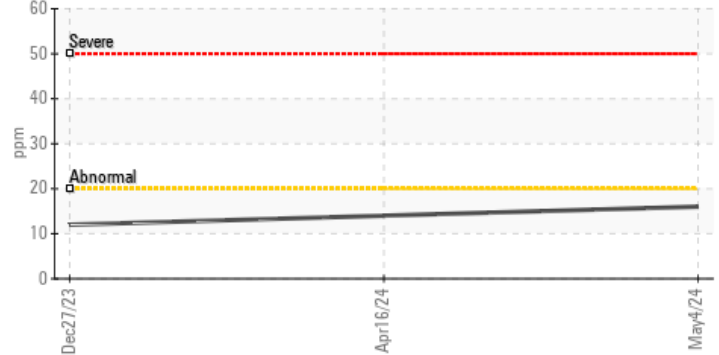
Chromium (ppm)



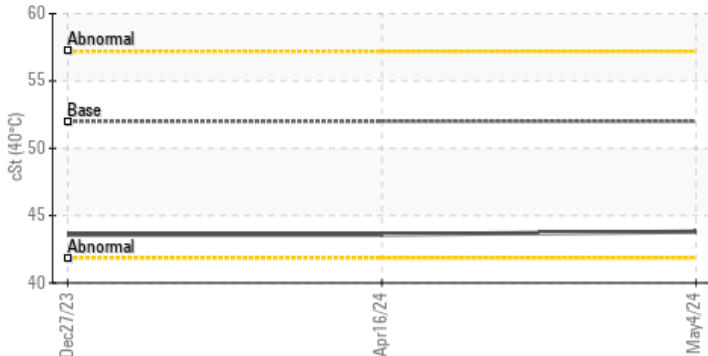
▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

