



CONSTRUCTION EQUIPMENT

VOLVO A45G 353418 - WET DISC BRAKE



Sample No: VCP436867
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP436867	VCP433536	---	---
Sample Date	05 Apr 2024	20 Oct 2023	---	---
Machine Hours	1960	997	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	40.6	40.8	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	26	15	---	---
Sodium	ppm	15	9	---	---
Potassium	ppm	3	0	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other 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	31	19	---	---
Copper	ppm	274	135	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	<1	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	7	4	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	<1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	4586	3499	---	---
Magnesium	ppm	10	9	---	---
Zinc	ppm	1966	1486	---	---
Phosphorus	ppm	1777	1161	---	---
Barium	ppm	0	0	---	---
Boron	ppm	156	140	---	---

Depot: VOLVO0090
Unique No: 10966538
Signed: Don Baldrige
Report Date: 10 Apr 2024

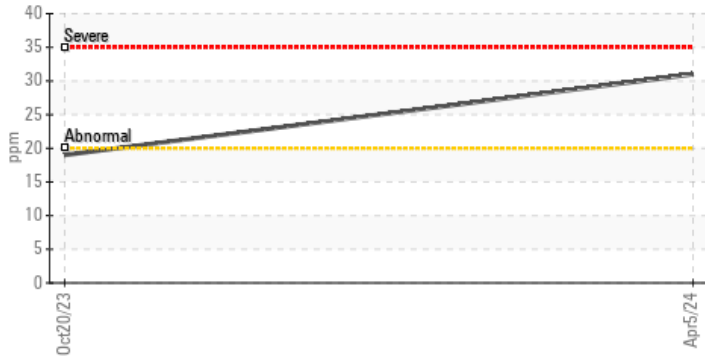


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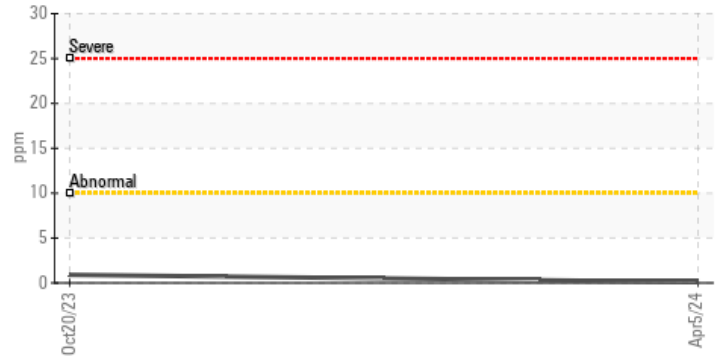


GRAPHS

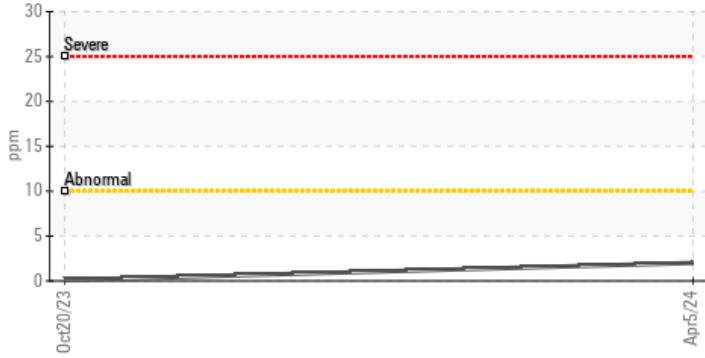
Iron (ppm)



Lead (ppm)



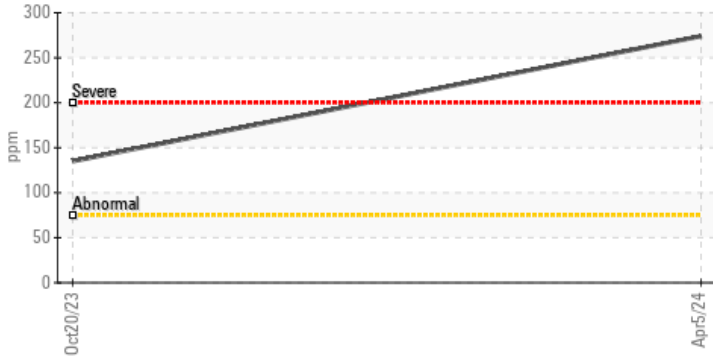
Aluminum (ppm)



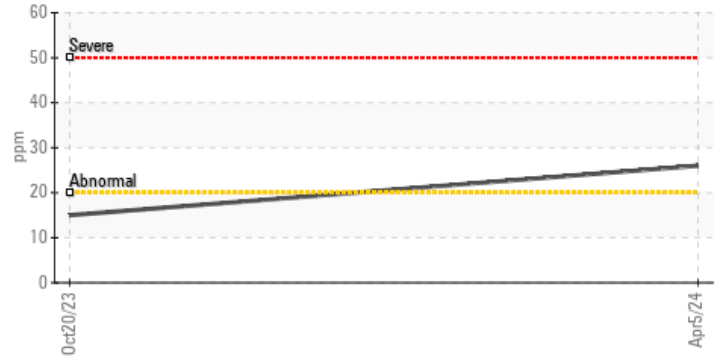
Chromium (ppm)



▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

