



CONSTRUCTION EQUIPMENT

VOLVO A40G 342010 - WET DISC BRAKE



Sample No: VCP447436
Oil Type: MOBIL MOBILGARD 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP447436	VCP447494	VCP331518	---
Sample Date	09 Jul 2024	07 May 2024	06 Feb 2024	---
Machine Hours	10091	9640	9222	---
Oil Hours	869	418	2107	---
Oil Changed	Not Chngd	Not Chngd	Changed	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	52.8	52.6	49.9	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	11	▲ 23	13	---
Sodium	ppm	0	0	2	---
Potassium	ppm	2	2	<1	---

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	10	17	16	---
Copper	ppm	37	31	69	---
Lead	ppm	0	<1	1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	4	2	2	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	1	1	1	---
Nickel	ppm	1	1	2	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	<1	<1	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	3742	3420	3315	---
Magnesium	ppm	16	15	21	---
Zinc	ppm	1478	1384	1391	---
Phosphorus	ppm	1242	1204	1097	---
Barium	ppm	0	0	0	---
Boron	ppm	134	114	108	---

Depot: SCHGRE
Unique No: 11129482
Signed: Don Baldrige
Report Date: 20 Jul 2024

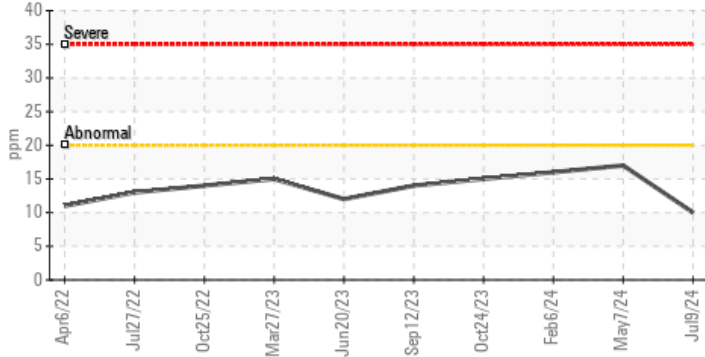


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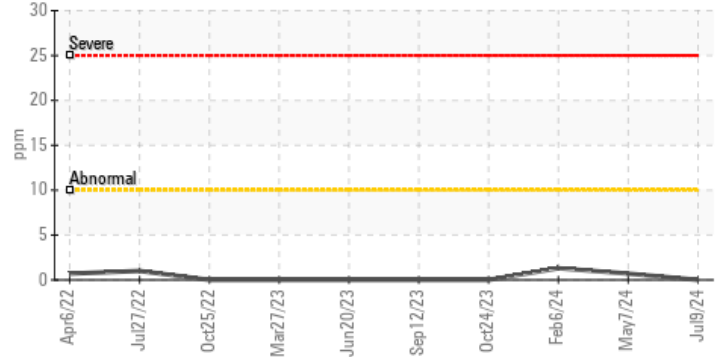


GRAPHS

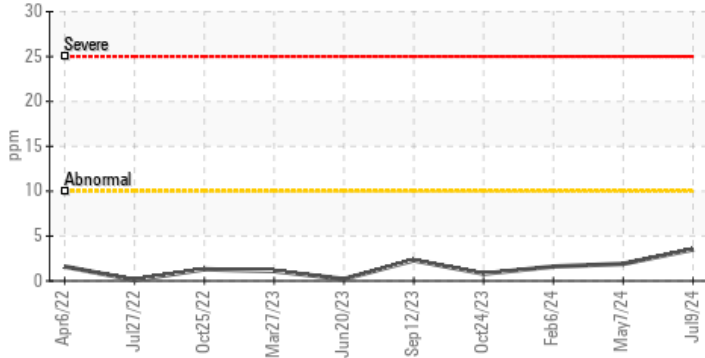
Iron (ppm)



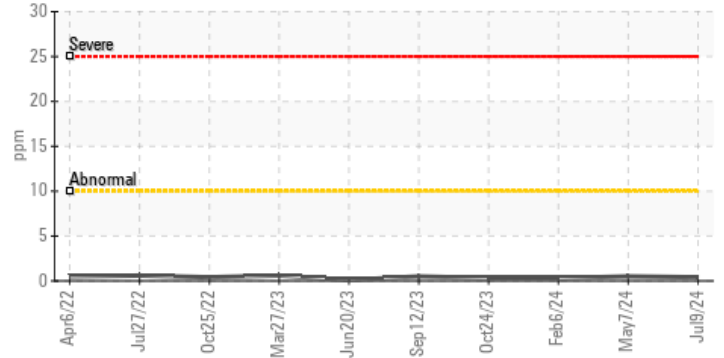
Lead (ppm)



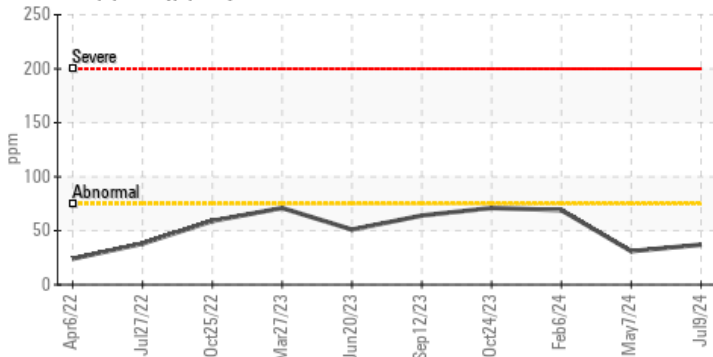
Aluminum (ppm)



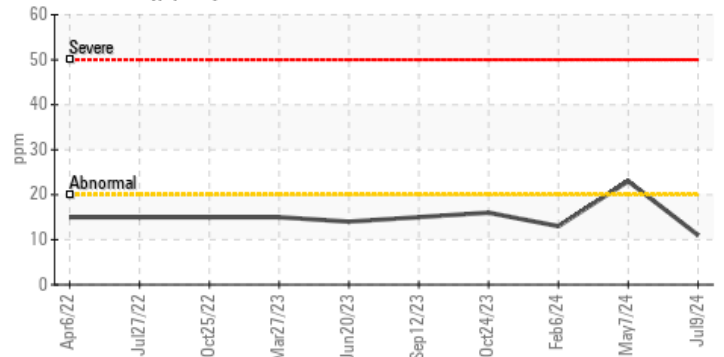
Chromium (ppm)



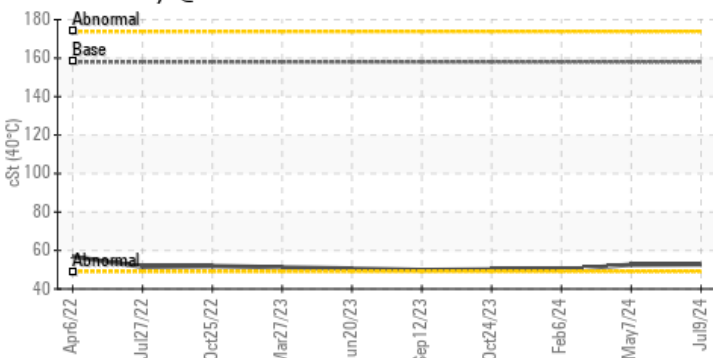
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

