



CONSTRUCTION EQUIPMENT

VOLVO A40G 340668 - WET DISC BRAKE



Sample No: VCP447702
Oil Type: MOBIL MOBILGARD 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP447702	VCP416759	VCP312538	---
Sample Date	09 Jul 2024	08 Feb 2024	24 Oct 2023	---
Machine Hours	17948	17181	16708	---
Oil Hours	1835	1068	595	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

SCHILDBERG CONSTRUCTION COMPANY
 PO BOX 358
 GREENFIELD, IA
 US 50849
 Contact: SCOTT ARMSTRONG
 sarmstrong@schildberg.com
 T: (641)743-8237
 F: (641)743-2486



OIL CONDITION

Visc @ 40°C	cSt	50.7	51.7	52.2	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	20	16	17	---
Sodium	ppm	3	6	0	---
Potassium	ppm	2	<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	18	15	14	---
Copper	ppm	63	45	47	---
Lead	ppm	<1	2	<1	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	4	2	<1	---
Chromium	ppm	<1	0	<1	---
Molybdenum	ppm	1	<1	<1	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	<1	<1	0	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	4320	3544	3484	---
Magnesium	ppm	22	21	18	---
Zinc	ppm	1696	1461	1395	---
Phosphorus	ppm	1418	1135	1191	---
Barium	ppm	0	0	0	---
Boron	ppm	145	108	111	---

Depot: SCHGRE
Unique No: 11129476
Signed: Don Baldrige
Report Date: 20 Jul 2024

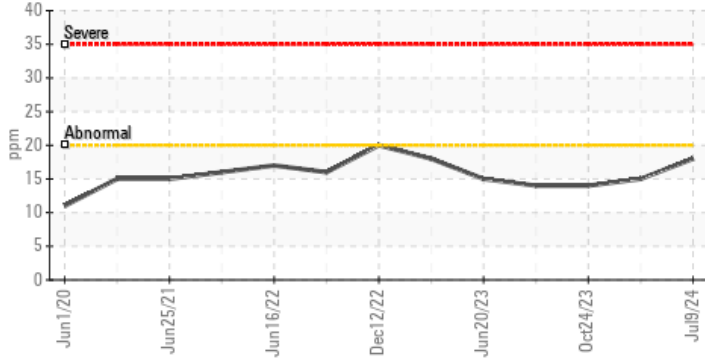


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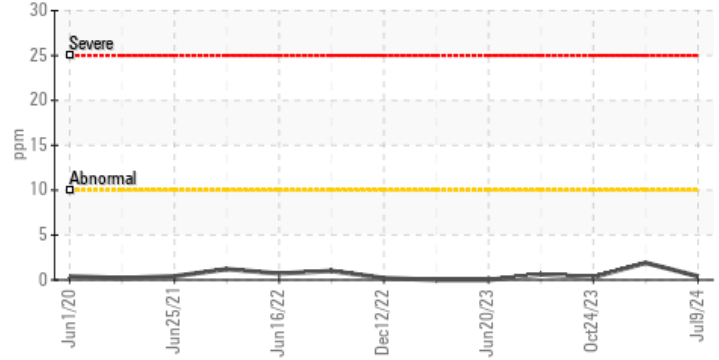


GRAPHS

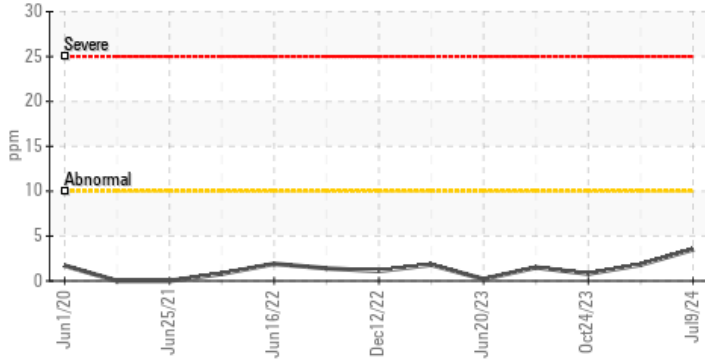
Iron (ppm)



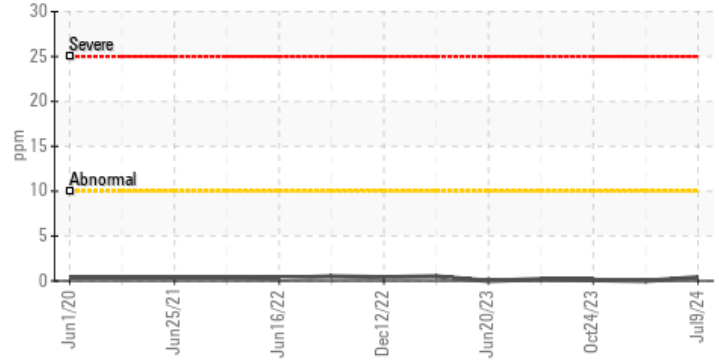
Lead (ppm)



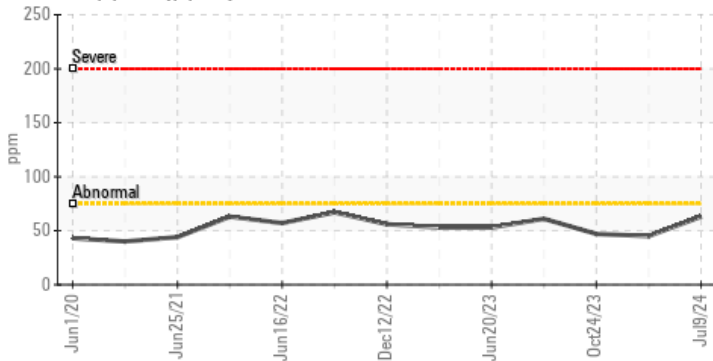
Aluminum (ppm)



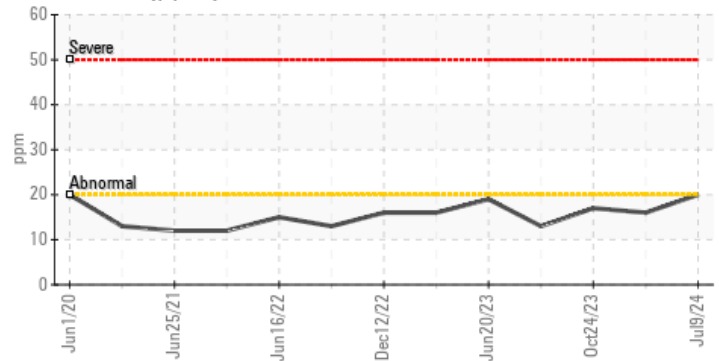
Chromium (ppm)



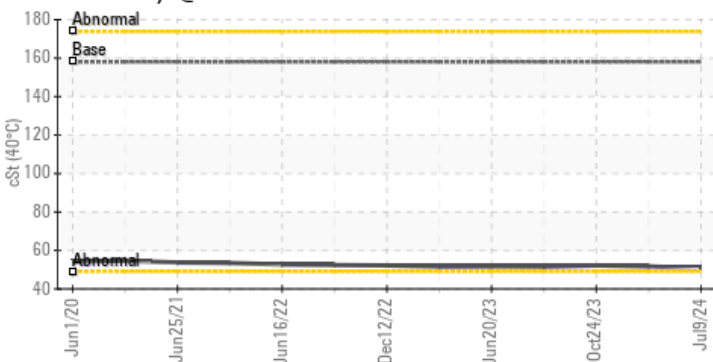
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

