



CONSTRUCTION EQUIPMENT

VOLVO A40G 342010 - WET DISC BRAKE



Sample No: VCP447494
Oil Type: MOBIL MOBILGARD 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP447494	VCP331518	VCP362631	VCP312959
Sample Date	07 May 2024	06 Feb 2024	24 Oct 2023	12 Sep 2023
Machine Hours	9640	9222	8705	8374
Oil Hours	418	2107	1590	1259
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	ABNORMAL	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	52.6	49.9	50.1	49.8
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	▲ 23	13	16	15
Sodium	ppm	0	2	0	<1
Potassium	ppm	2	<1	2	1

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	17	16	15	14
Copper	ppm	31	69	71	64
Lead	ppm	<1	1	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	2	2	<1	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	1	1	1	1
Nickel	ppm	1	2	2	2
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	3420	3315	3319	3327
Magnesium	ppm	15	21	17	18
Zinc	ppm	1384	1391	1380	1460
Phosphorus	ppm	1204	1097	1194	1156
Barium	ppm	0	0	0	0
Boron	ppm	114	108	110	131

Depot: SCHGRE
Unique No: 11033052
Signed: Sean Felton
Report Date: 20 May 2024

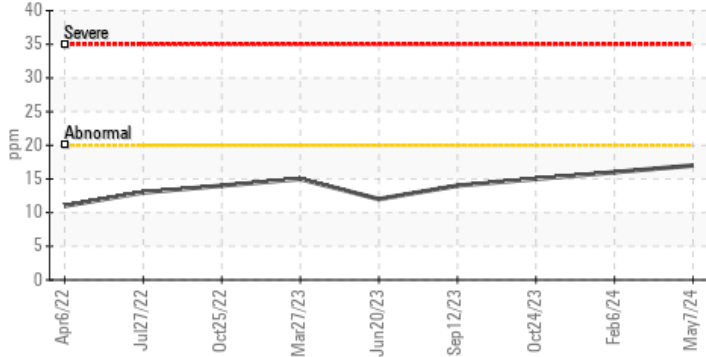


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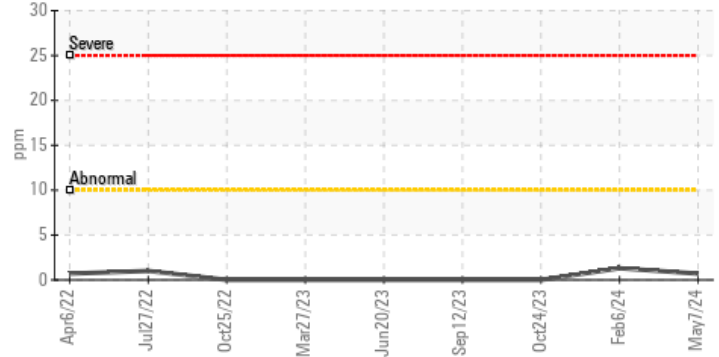


VOLVO GRAPHS

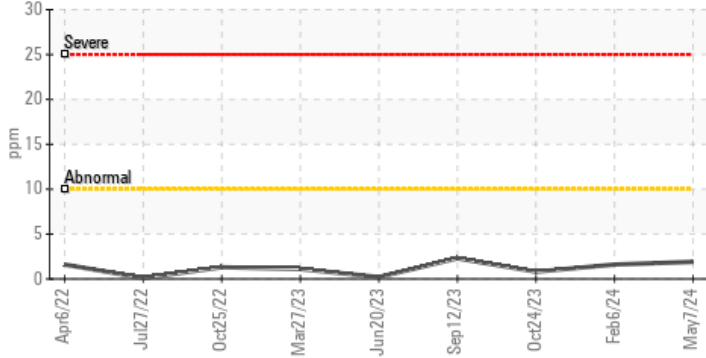
Iron (ppm)



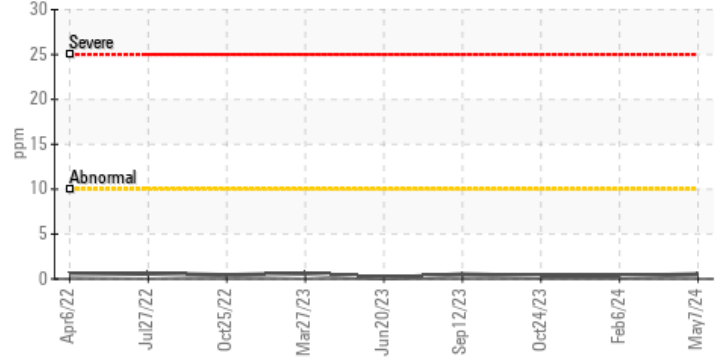
Lead (ppm)



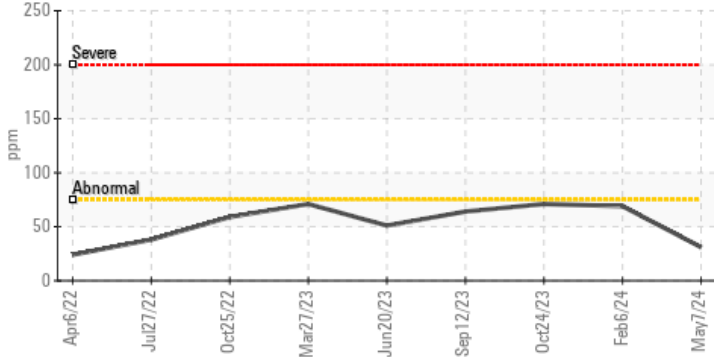
Aluminum (ppm)



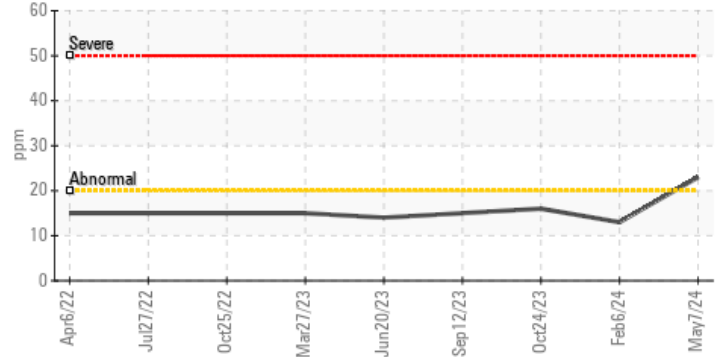
Chromium (ppm)



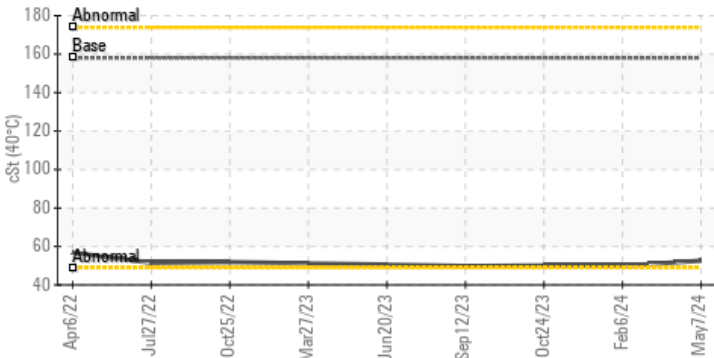
Copper (ppm)



▲ Silicon (ppm)



Viscosity @ 40°C



Additives

