



CONSTRUCTION EQUIPMENT

VOLVO A40G 752009 - WET DISC BRAKE



Sample No: VCP454431
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP454431	VCP402383	VCP440656	VCP312955
Sample Date	10 Jun 2024	12 Mar 2024	29 Nov 2023	12 Sep 2023
Machine Hours	2081	1479	987	482
Oil Hours	1604	1052	560	482
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	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	42.9	44.0	44.1	43.6
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	12	15	13	13
Sodium	ppm	1	2	3	2
Potassium	ppm	4	4	8	4

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	27	27	19	15
Copper	ppm	128	121	64	65
Lead	ppm	0	<1	3	0
Tin	ppm	0	<1	<1	0
Aluminum	ppm	2	2	2	2
Chromium	ppm	<1	1	1	<1
Molybdenum	ppm	<1	<1	<1	0
Nickel	ppm	5	5	4	3
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	2	<1	<1
Vanadium	ppm	0	<1	<1	0



ADDITIVES

Calcium	ppm	3583	4067	2806	3850
Magnesium	ppm	7	9	0	7
Zinc	ppm	1419	1590	1273	1633
Phosphorus	ppm	1167	1184	978	1278
Barium	ppm	0	0	0	0
Boron	ppm	134	128	113	161

Depot: SCHGRE
Unique No: 11127000
Signed: Sean Felton
Report Date: 18 Jul 2024

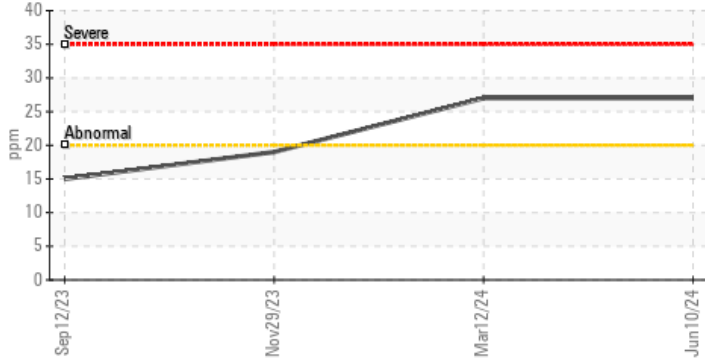


CONSTRUCTION EQUIPMENT

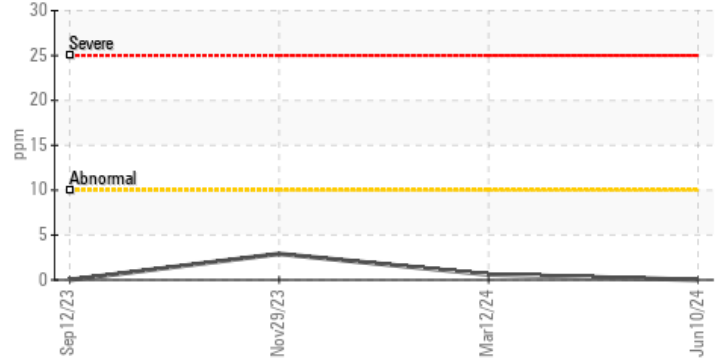


GRAPHS

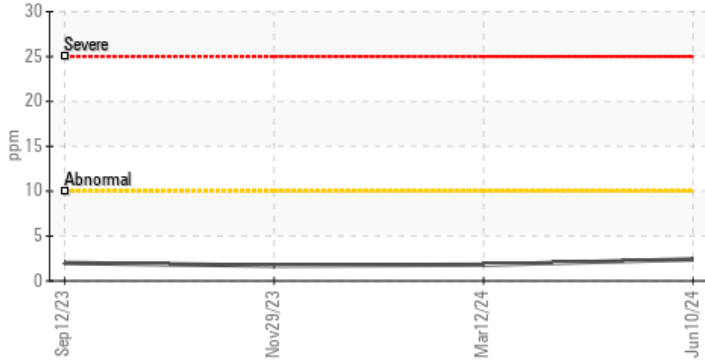
Iron (ppm)



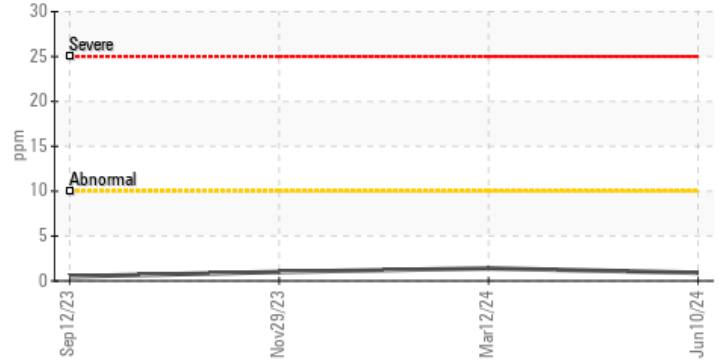
Lead (ppm)



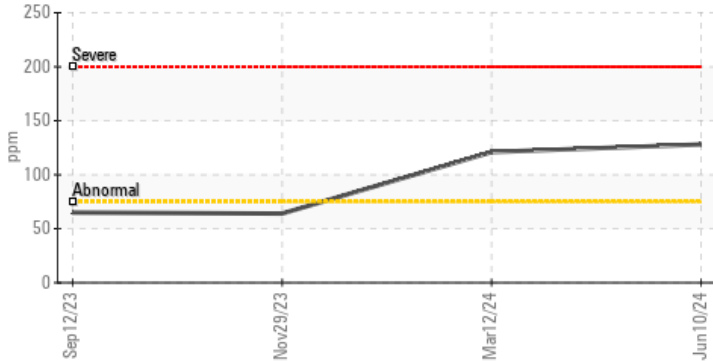
Aluminum (ppm)



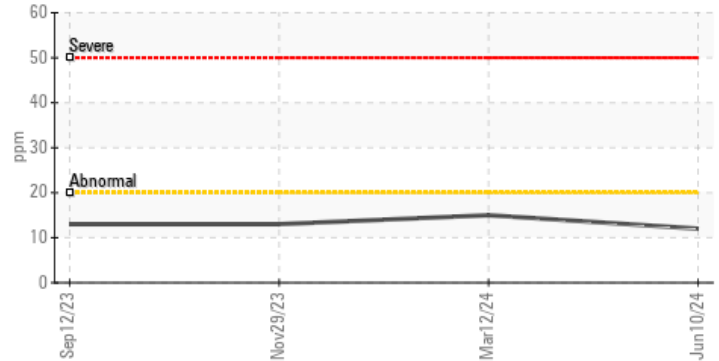
Chromium (ppm)



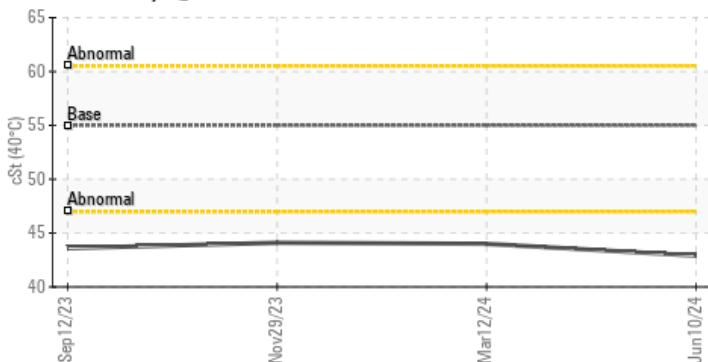
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

