



CONSTRUCTION EQUIPMENT

VOLVO A40G 342608 - WET DISC BRAKE



Sample No: VCP405659
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP405659	VCP400117	VCP385249	VCP359583
Sample Date	21 Aug 2023	30 May 2023	06 Mar 2023	08 Nov 2022
Machine Hours	10330	9778	9160	8504
Oil Hours	1826	1274	656	1984
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	49.8	56.2	50.6	49.6
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CONTAMINATION

Silicon	ppm	14	16	19	14
Sodium	ppm	5	5	5	4
Potassium	ppm	<1	0	<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	16	16	17	18
Copper	ppm	47	46	46	68
Lead	ppm	0	0	<1	0
Tin	ppm	0	<1	<1	0
Aluminum	ppm	<1	0	2	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	2	2	2	2
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3213	3334	3424	3324
Magnesium	ppm	16	16	17	13
Zinc	ppm	1323	1450	1412	1410
Phosphorus	ppm	1086	1180	1155	1148
Barium	ppm	0	0	0	0
Boron	ppm	124	123	112	103

Depot: SCHGRE
Unique No: 10634498
Signed: Don Baldrige
Report Date: 08 Sep 2023

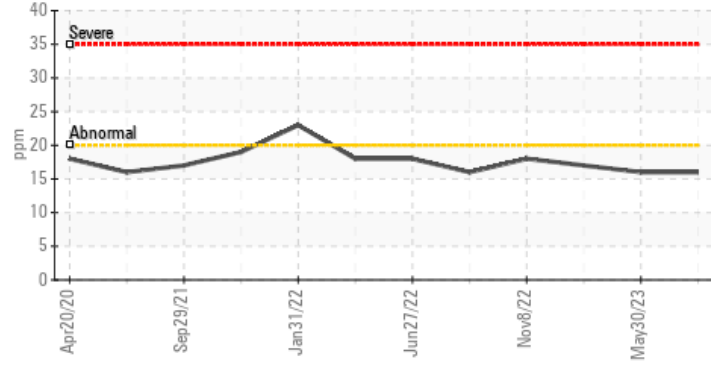


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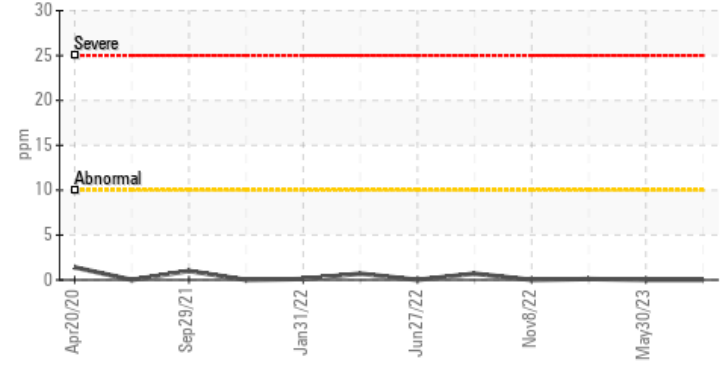


GRAPHS

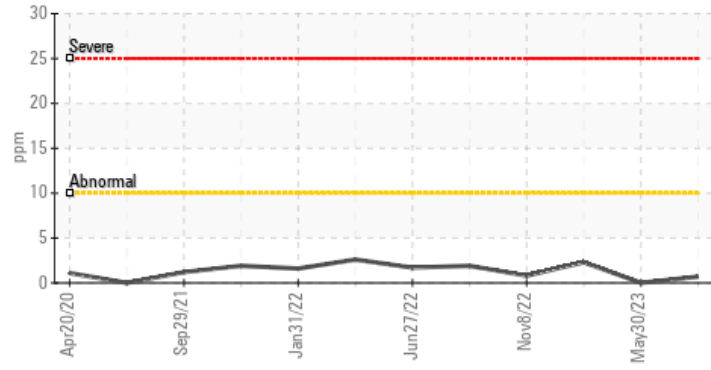
Iron (ppm)



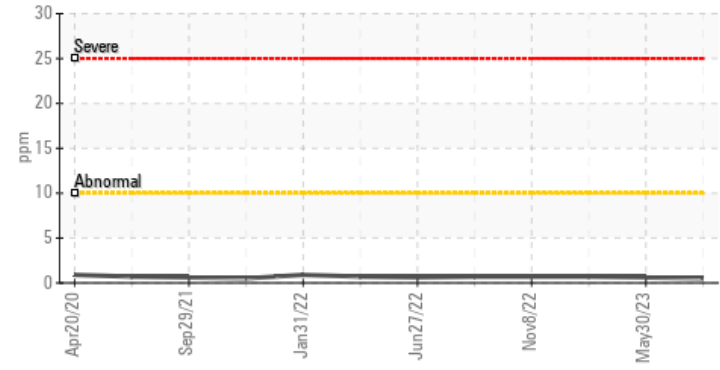
Lead (ppm)



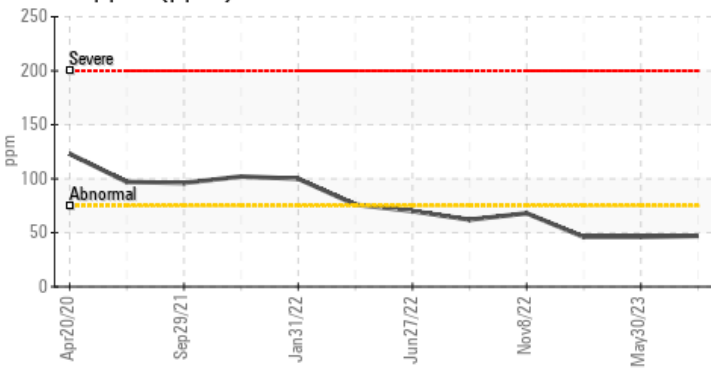
Aluminum (ppm)



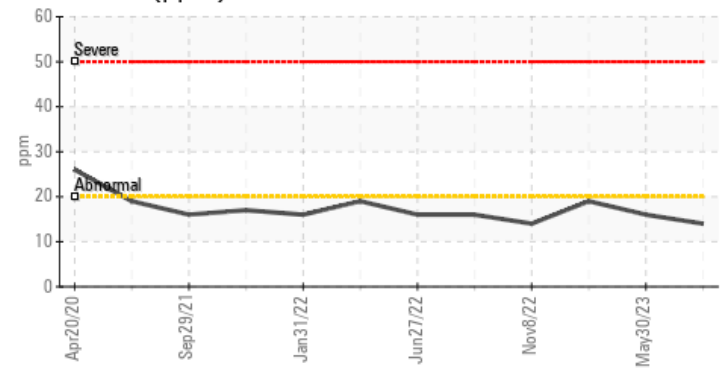
Chromium (ppm)



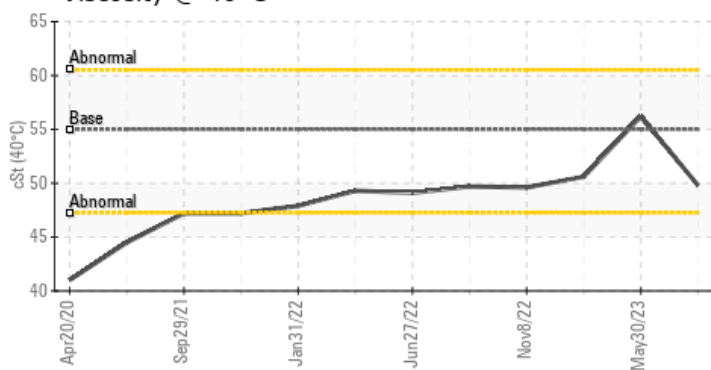
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

