



CONSTRUCTION EQUIPMENT

VOLVO A40G 352341 - WET DISC BRAKE



Sample No: VCP444069
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP444069	VCP433626	VCP331581	VCP312547
Sample Date	30 Apr 2024	02 Apr 2024	11 Dec 2023	03 Oct 2023
Machine Hours	7971	7735	7087	6606
Oil Hours	1974	1738	1090	609
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	51.8	44.6	44.9	44.9
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	16	15	16	17
Sodium	ppm	7	7	5	4
Potassium	ppm	0	0	<1	1

Diagnosis

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. The iron level is abnormal. The copper level is abnormal. 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	26	15	19	26
Copper	ppm	108	106	99	106
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	<1	<1	<1	1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	3	3	4	5
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3462	3195	3323	3410
Magnesium	ppm	12	<1	14	12
Zinc	ppm	1480	1415	1433	1474
Phosphorus	ppm	1260	1274	1175	1201
Barium	ppm	<1	0	0	0
Boron	ppm	123	110	104	119

Depot: SCHGRE
Unique No: 11018995
Signed: Don Baldrige
Report Date: 10 May 2024

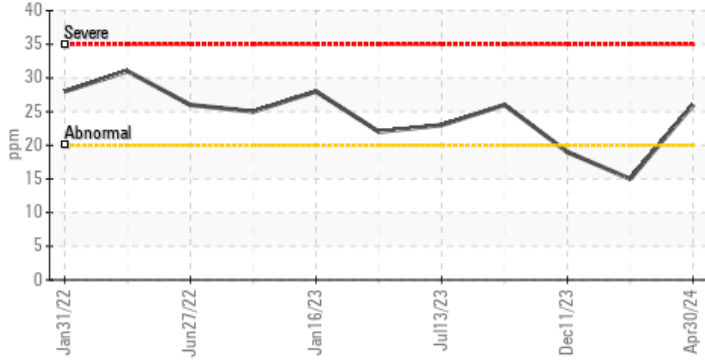


CONSTRUCTION EQUIPMENT

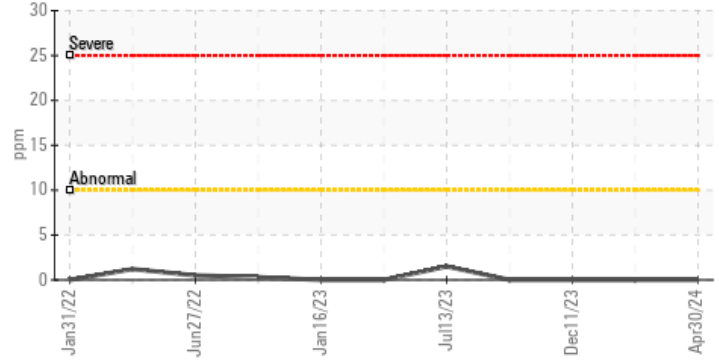


VOLVO GRAPHS

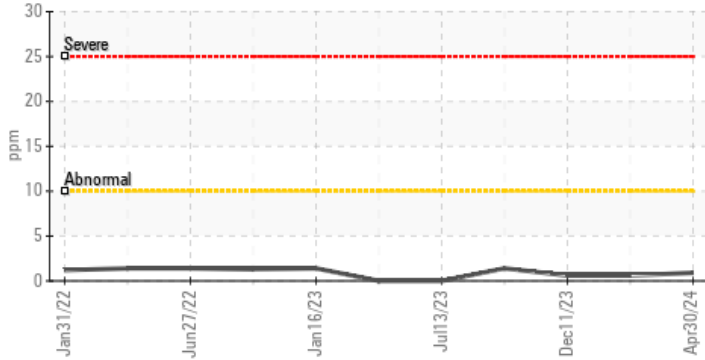
▲ Iron (ppm)



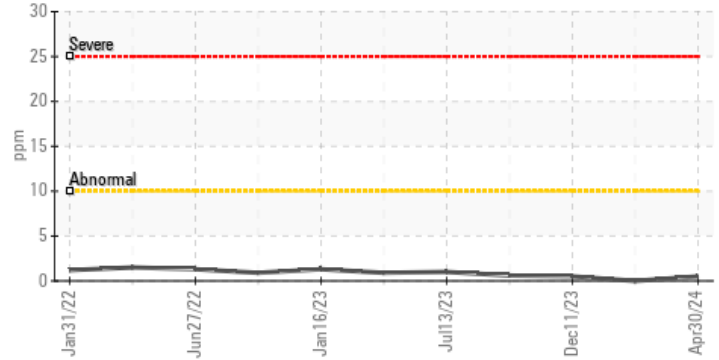
Lead (ppm)



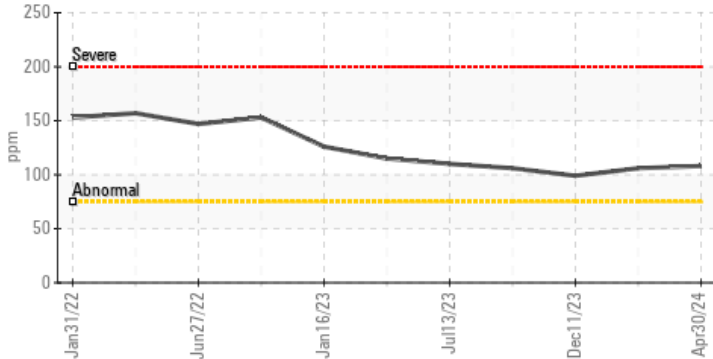
Aluminum (ppm)



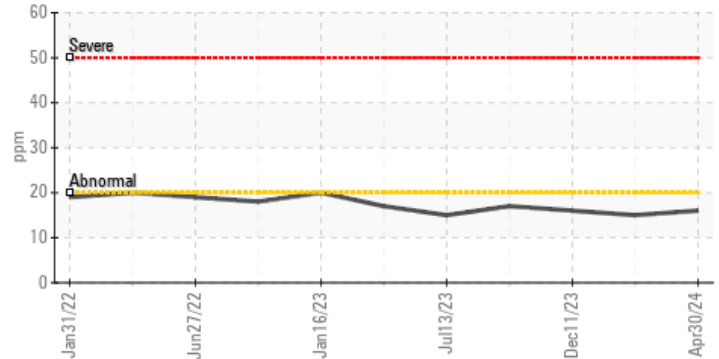
Chromium (ppm)



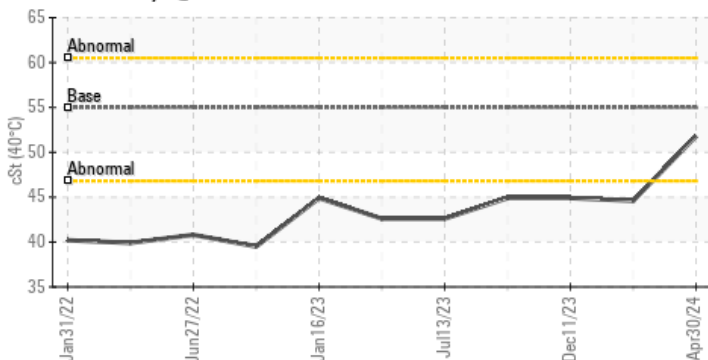
▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

