



CONSTRUCTION EQUIPMENT

VOLVO A40G 352026 - WET DISC BRAKE



Sample No: VCP440664
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP440664	VCP436360	VCP395132	VCP402959
Sample Date	15 Apr 2024	08 Feb 2024	30 Oct 2023	29 Aug 2023
Machine Hours	10378	9959	9458	9029
Oil Hours	920	501	1993	1564
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	56.4	52.2	49.4	50.0
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	14	17	17	12
Sodium	ppm	<1	0	3	2
Potassium	ppm	2	2	0	0

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	11	14	26	11
Copper	ppm	12	11	18	11
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	2	2	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	1	<1	<1	0
Nickel	ppm	1	1	2	1
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	3224	3464	3133	2767
Magnesium	ppm	13	16	7	12
Zinc	ppm	1340	1381	1413	1143
Phosphorus	ppm	1222	1313	1153	933
Barium	ppm	0	12	0	0
Boron	ppm	127	116	103	97

Depot: SCHGRE
Unique No: 11009504
Signed: Don Baldrige
Report Date: 07 May 2024

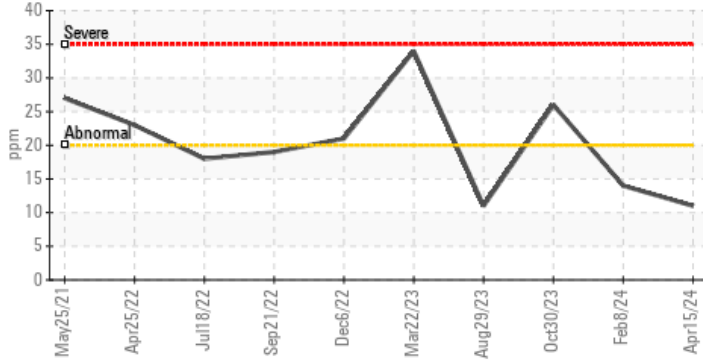


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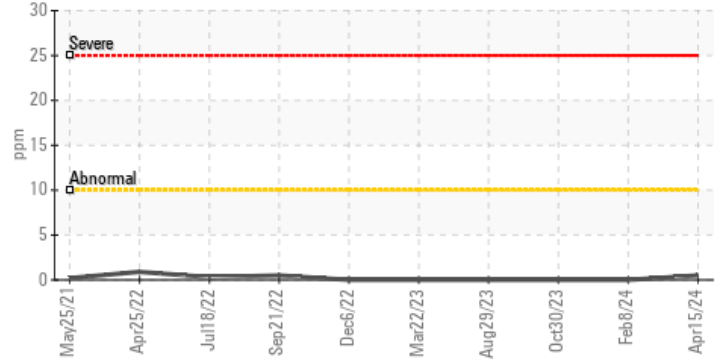


GRAPHS

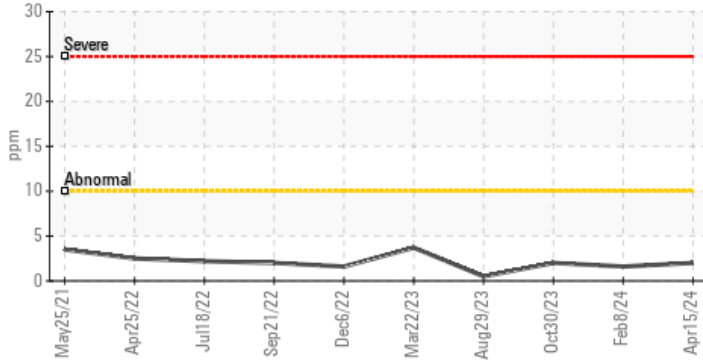
Iron (ppm)



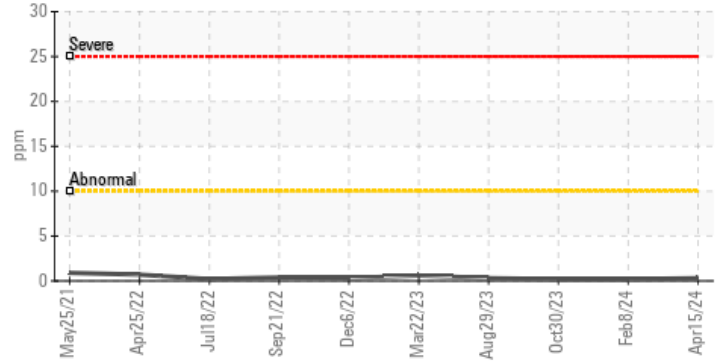
Lead (ppm)



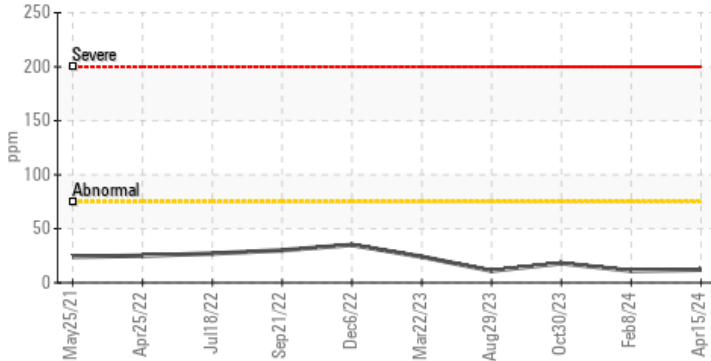
Aluminum (ppm)



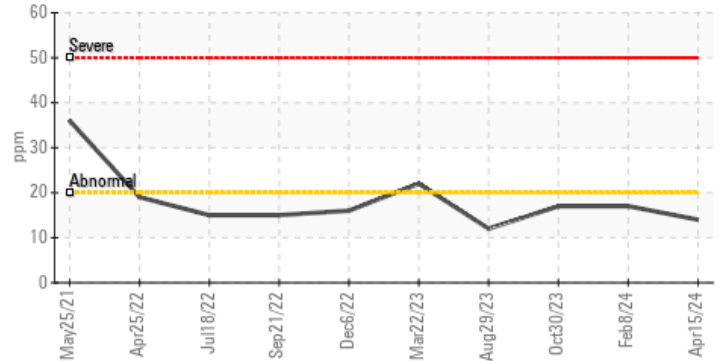
Chromium (ppm)



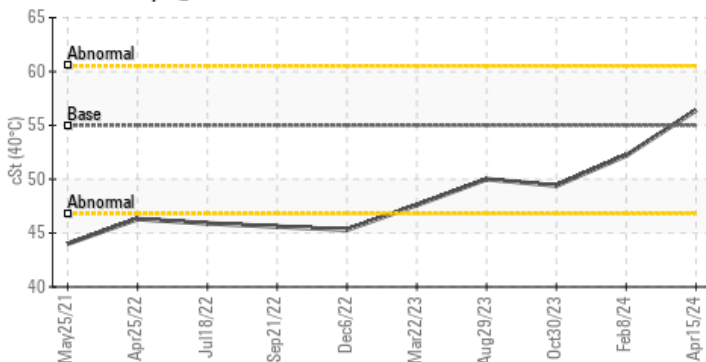
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

