



CONSTRUCTION EQUIPMENT

VOLVO A40G 352026 - WET DISC BRAKE



Sample No: VCP402959
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP402959	VCP404851	VCP385099	VCP366930
Sample Date	29 Aug 2023	22 Mar 2023	06 Dec 2022	21 Sep 2022
Machine Hours	9029	7981	7465	6961
Oil Hours	1564	516	2002	498
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	ABNORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	50.0	47.6	45.3	45.6
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CONTAMINATION

Silicon	ppm	12	▲ 22	16	15
Sodium	ppm	2	4	3	1
Potassium	ppm	0	0	1	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	34	21	19
Copper	ppm	11	24	35	30
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	4	2	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	1	3	3	4
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2767	3028	3053	3030
Magnesium	ppm	12	14	8	8
Zinc	ppm	1143	1303	1380	1323
Phosphorus	ppm	933	1148	1208	1162
Barium	ppm	0	0	0	0
Boron	ppm	97	104	88	88

Depot: SCHGRE
Unique No: 10634489
Signed: Don Baldrige
Report Date: 08 Sep 2023

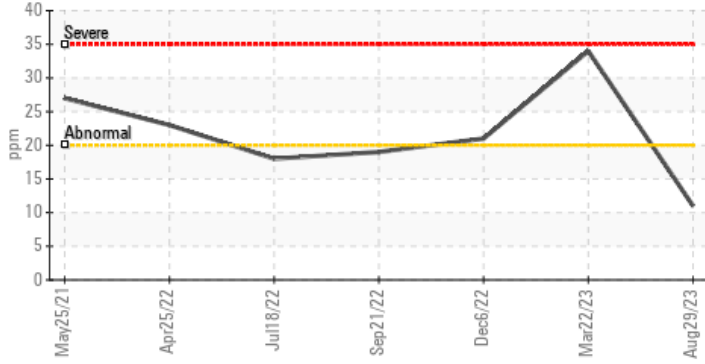


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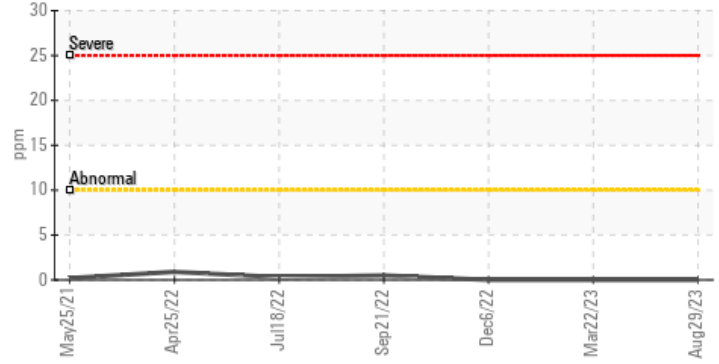


GRAPHS

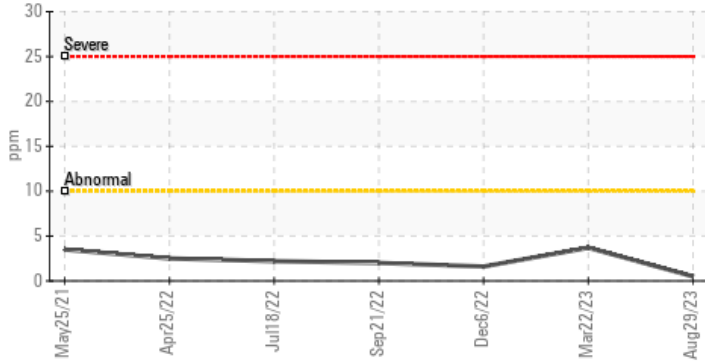
Iron (ppm)



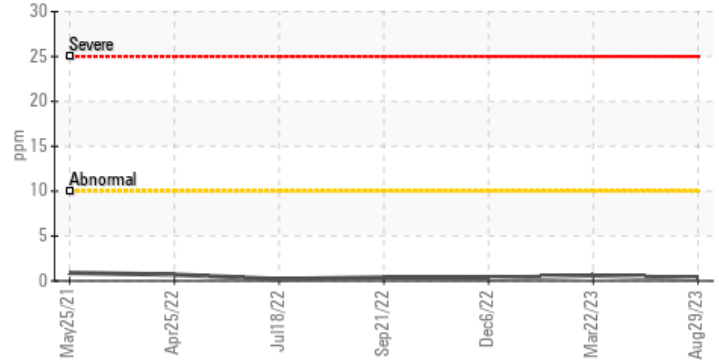
Lead (ppm)



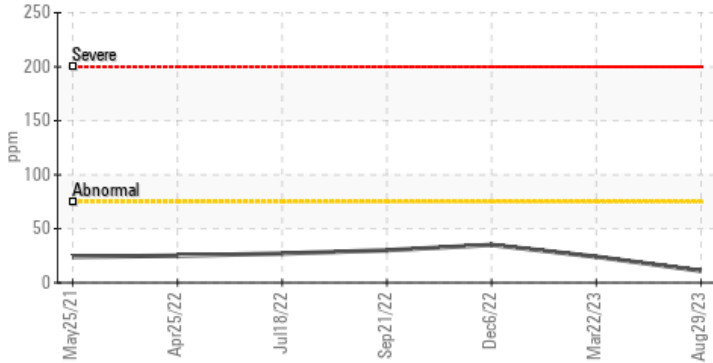
Aluminum (ppm)



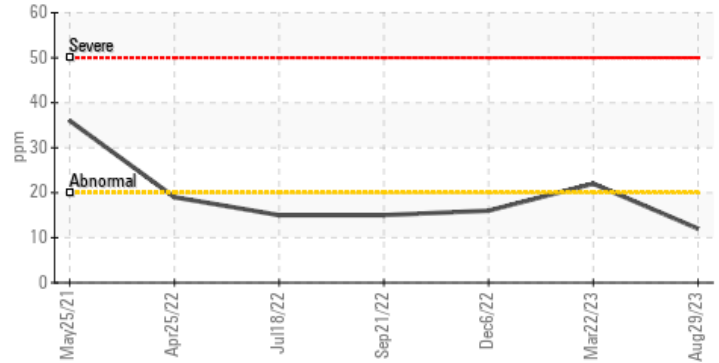
Chromium (ppm)



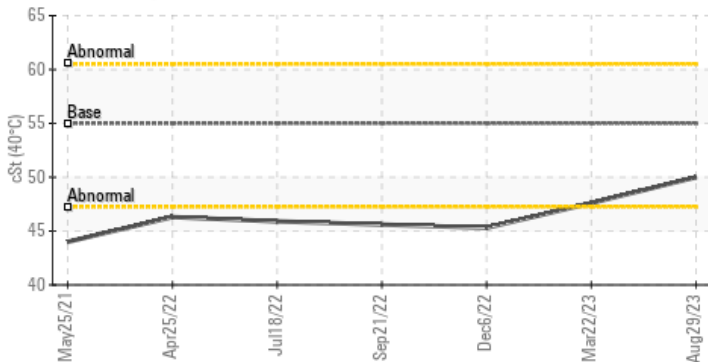
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

