



CONSTRUCTION EQUIPMENT

VOLVO A40G 352351 - WET DISC BRAKE



Sample No: VCP444698
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP444698	VCP331551	VCP339688	VCP406469
Sample Date	29 Apr 2024	07 Nov 2023	03 Oct 2023	13 Jul 2023
Machine Hours	8835	7750	7502	6886
Oil Hours	1085	2033	1785	1169
Oil Changed	Changed	Changed	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	52.4	44.3	44.7	45.4
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	24	16	17	16
Sodium	ppm	3	7	4	7
Potassium	ppm	2	0	2	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. All component wear rates are normal. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	18	19	22	24
Copper	ppm	25	105	121	97
Lead	ppm	<1	1	0	2
Tin	ppm	1	0	0	0
Aluminum	ppm	3	<1	1	<1
Chromium	ppm	1	0	<1	<1
Molybdenum	ppm	2	0	<1	<1
Nickel	ppm	2	4	5	4
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	<1	1
Vanadium	ppm	<1	0	0	<1



ADDITIVES

Calcium	ppm	5019	2975	3202	3060
Magnesium	ppm	23	11	11	16
Zinc	ppm	2071	1378	1408	1323
Phosphorus	ppm	1699	1175	1160	1115
Barium	ppm	0	0	0	0
Boron	ppm	184	99	110	107

Depot: SCHGRE
Unique No: 11019000
Signed: Don Baldrige
Report Date: 10 May 2024

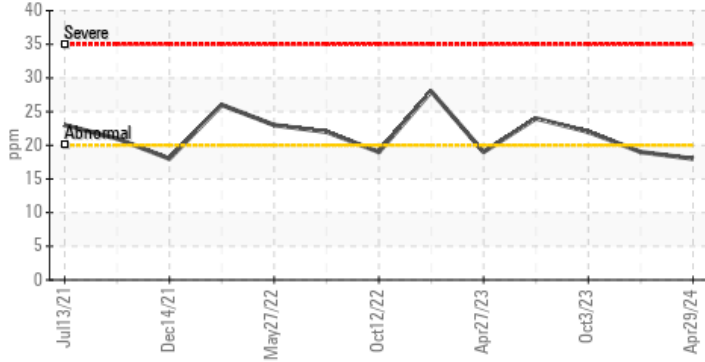


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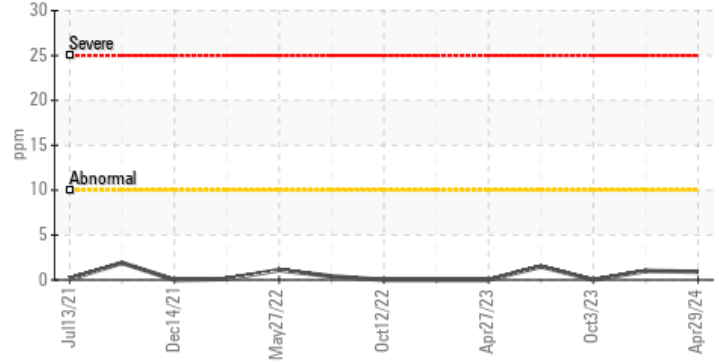


GRAPHS

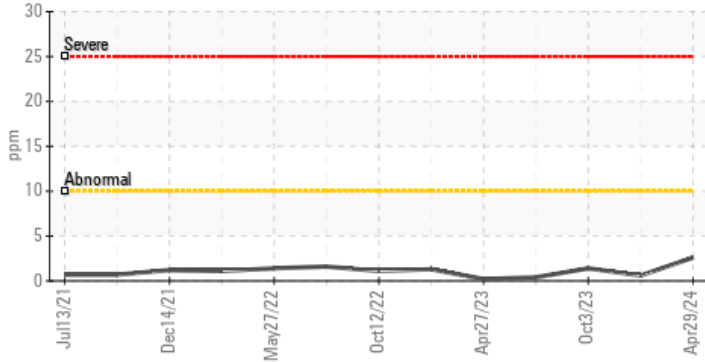
Iron (ppm)



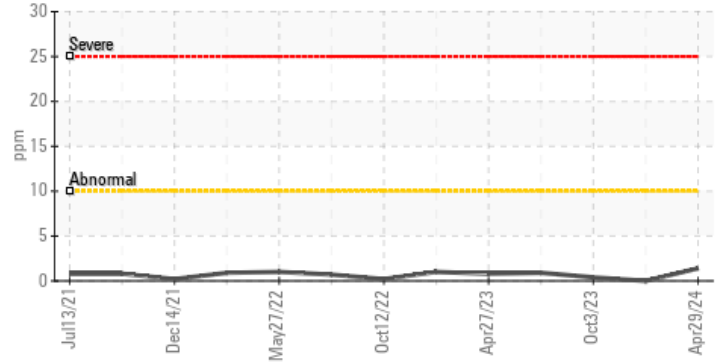
Lead (ppm)



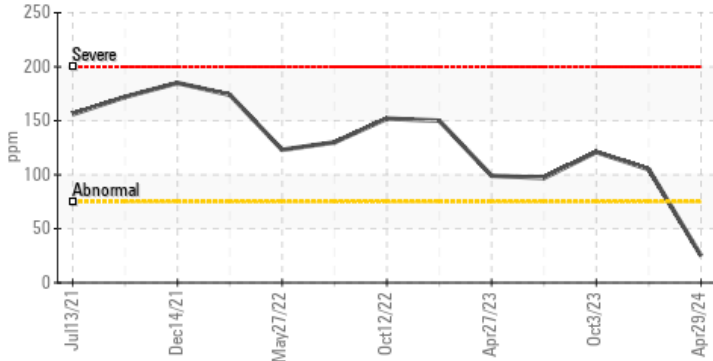
Aluminum (ppm)



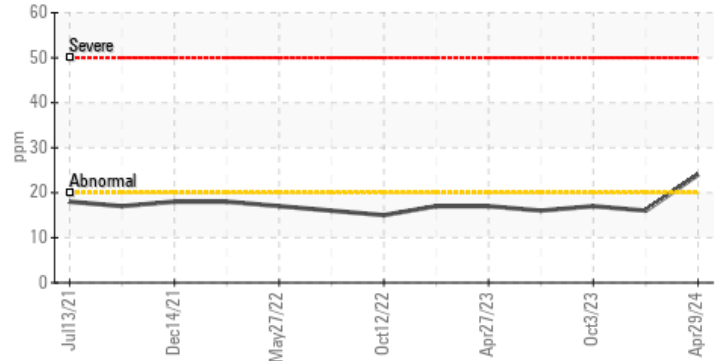
Chromium (ppm)



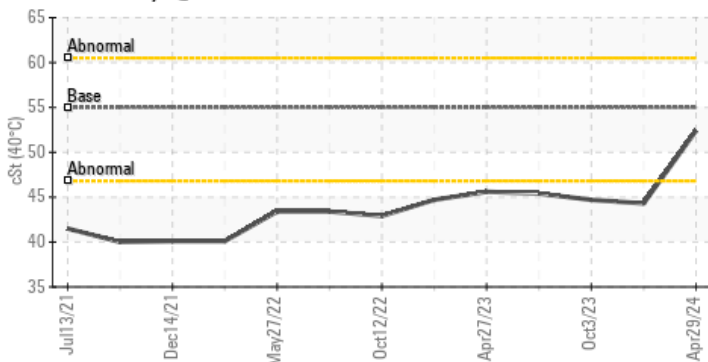
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

