



CONSTRUCTION EQUIPMENT

VOLVO A40G 352349 - WET DISC BRAKE



Sample No: VCP406463
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP406463	VCP402327	VCP406830	VCP390552
Sample Date	29 Aug 2023	19 Jul 2023	02 May 2023	13 Feb 2023
Machine Hours	5785	5478	4995	4463
Oil Hours	307	1960	1477	945
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	44.9	42.7	42.9	43.0
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CONTAMINATION

Silicon	ppm	14	14	17	19
Sodium	ppm	6	8	8	8
Potassium	ppm	0	<1	0	0

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	16	22	21	25
Copper	ppm	133	160	165	166
Lead	ppm	0	2	0	2
Tin	ppm	0	<1	0	0
Aluminum	ppm	0	0	0	<1
Chromium	ppm	<1	1	<1	1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	3	5	5	4
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	1	1	2
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	3270	3070	3348	3479
Magnesium	ppm	15	16	15	20
Zinc	ppm	1418	1335	1466	1353
Phosphorus	ppm	1201	1132	1232	1135
Barium	ppm	0	0	0	0
Boron	ppm	125	108	99	118

Depot: SCHGRE
Unique No: 10634509
Signed: Don Baldrige
Report Date: 08 Sep 2023

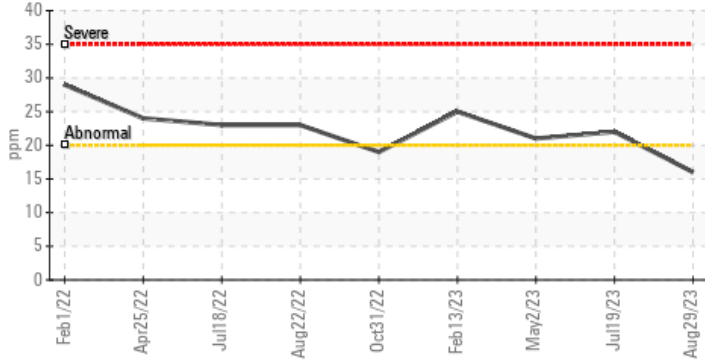


CONSTRUCTION EQUIPMENT

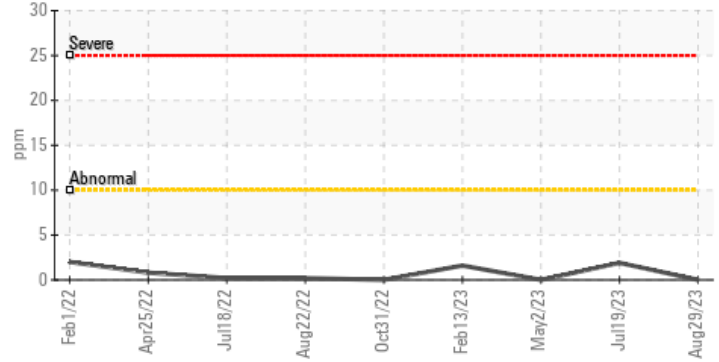


VOLVO GRAPHS

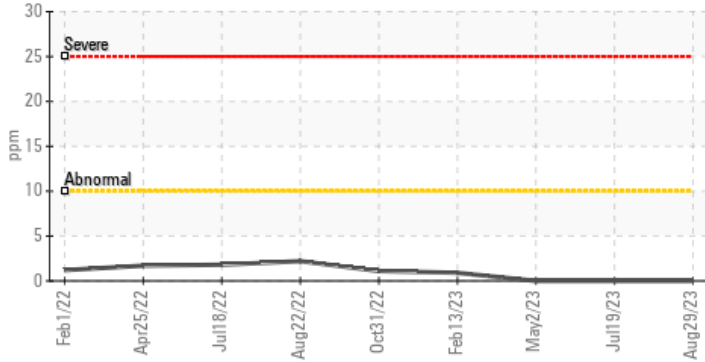
Iron (ppm)



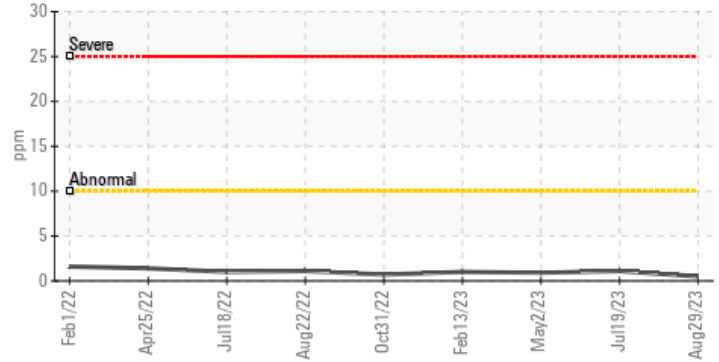
Lead (ppm)



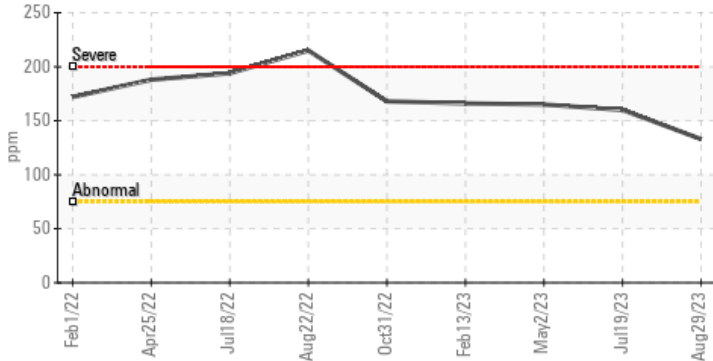
Aluminum (ppm)



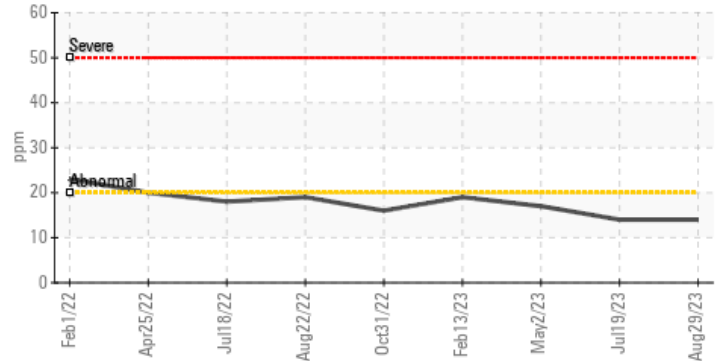
Chromium (ppm)



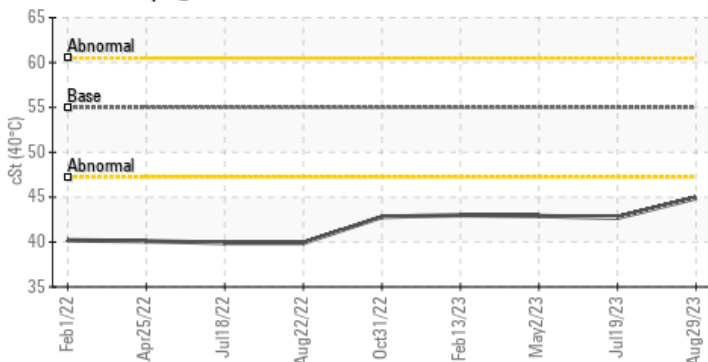
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

