



CONSTRUCTION EQUIPMENT

VOLVO A40G 342610 - WET DISC BRAKE



Sample No: VCP362648
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP362648	VCP406472	VCP385143	VCP379375
Sample Date	24 Oct 2023	13 Jul 2023	27 Apr 2023	16 Jan 2023
Machine Hours	10504	9910	9441	8766
Oil Hours	1738	1144	675	1875
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	51.8	49.8	49.9	50.1
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CONTAMINATION

Silicon	ppm	12	13	15	16
Sodium	ppm	0	7	8	7
Potassium	ppm	2	<1	0	0



WEAR METALS

Iron	ppm	19	19	18	▲ 23
Copper	ppm	69	75	77	81
Lead	ppm	0	1	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	<1	<1	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	3	3	3	3
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	3195	3021	3244	3388
Magnesium	ppm	17	18	18	17
Zinc	ppm	1351	1288	1380	1321
Phosphorus	ppm	1179	1064	1141	1085
Barium	ppm	0	0	0	0
Boron	ppm	78	104	95	113

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.

Depot: SCHGRE
Unique No: 10724403
Signed: Don Baldrige
Report Date: 03 Nov 2023

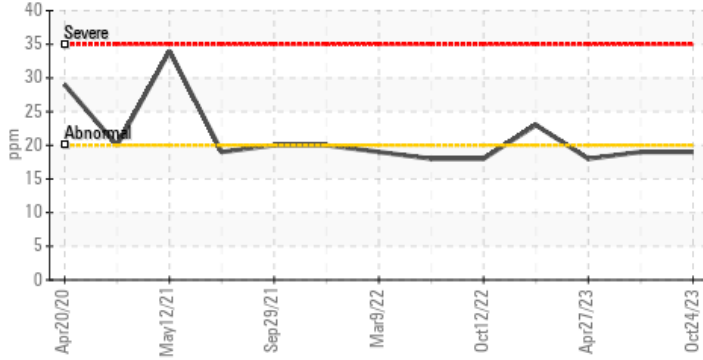


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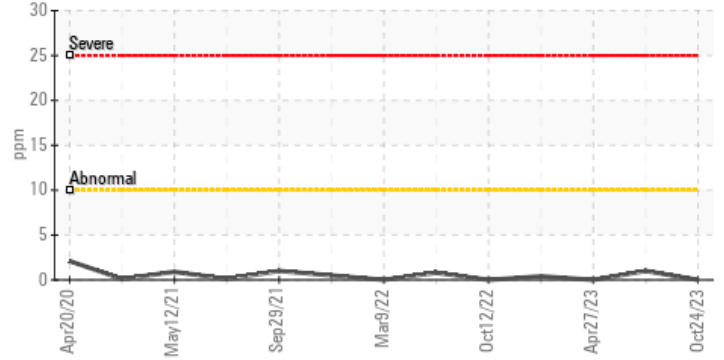


GRAPHS

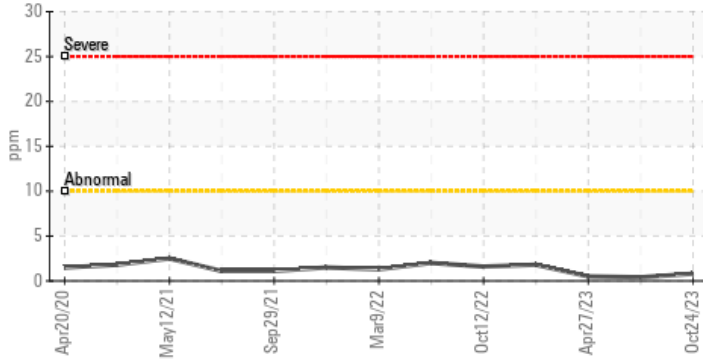
Iron (ppm)



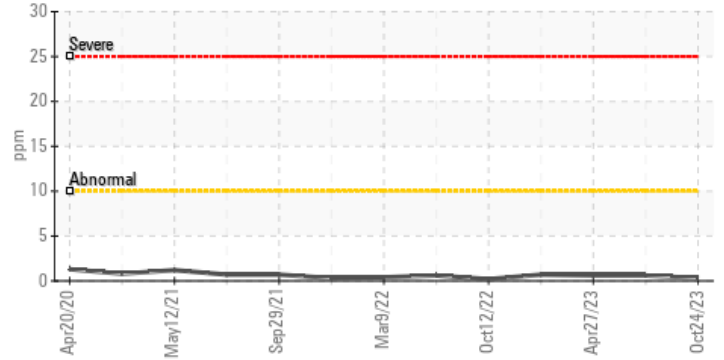
Lead (ppm)



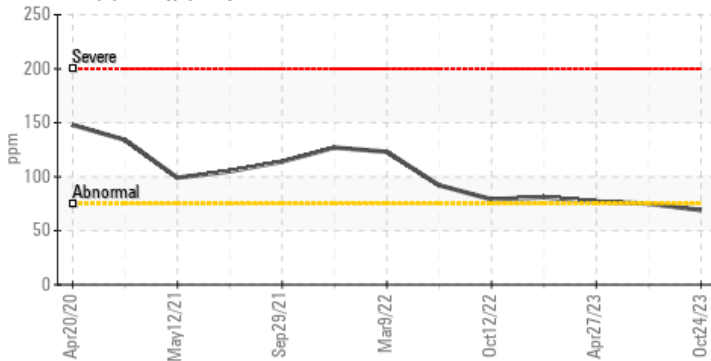
Aluminum (ppm)



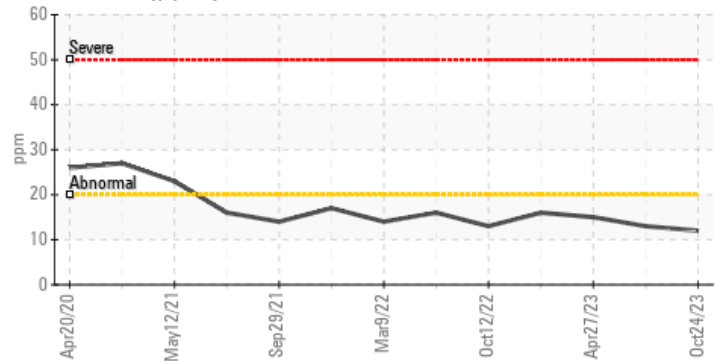
Chromium (ppm)



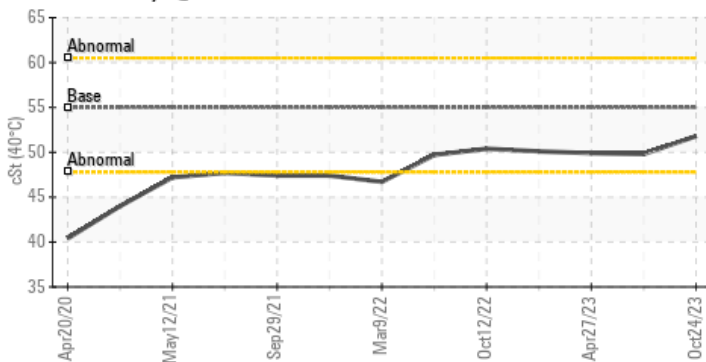
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

