



CONSTRUCTION EQUIPMENT

VOLVO A40G 340668 - WET DISC BRAKE



Sample No: VCP405742
Oil Type: MOBIL MOBILGARD 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP405742	VCP384412	VCP377135	VCP342171
Sample Date	20 Jun 2023	27 Mar 2023	12 Dec 2022	13 Sep 2022
Machine Hours	15839	15225	14690	14109
Oil Hours	1730	1116	581	2018
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	51.7	51.6	52.2	52.4
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CONTAMINATION

Silicon	ppm	19	16	16	13
Sodium	ppm	7	8	6	5
Potassium	ppm	0	<1	2	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	15	18	20	16
Copper	ppm	53	53	56	67
Lead	ppm	0	0	<1	1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	2	1	1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	1	0	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3412	3428	3726	3434
Magnesium	ppm	16	21	19	16
Zinc	ppm	1384	1389	1444	1341
Phosphorus	ppm	1114	1144	1170	1105
Barium	ppm	0	0	0	0
Boron	ppm	117	110	111	103

Depot: SCHGRE
Unique No: 10546415
Signed: Don Baldrige
Report Date: 07 Jul 2023

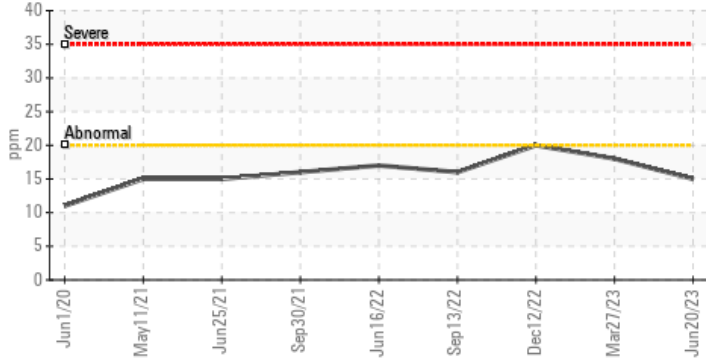


CONSTRUCTION EQUIPMENT

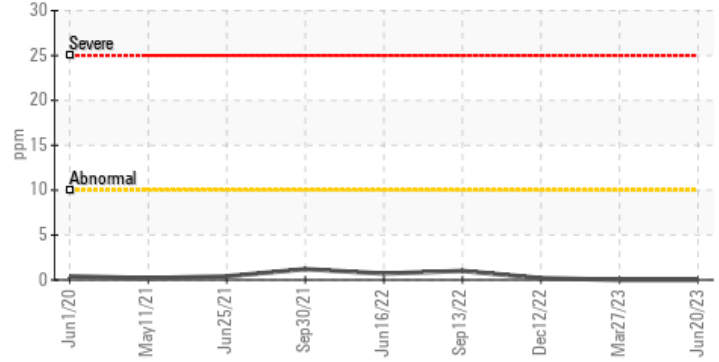


VOLVO GRAPHS

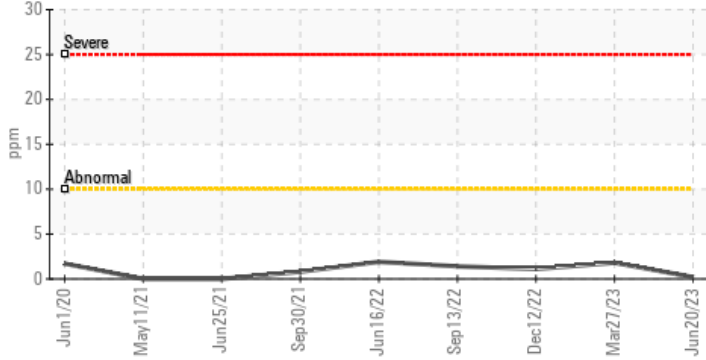
Iron (ppm)



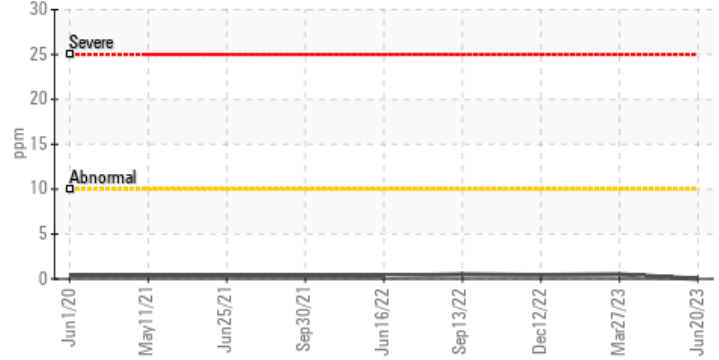
Lead (ppm)



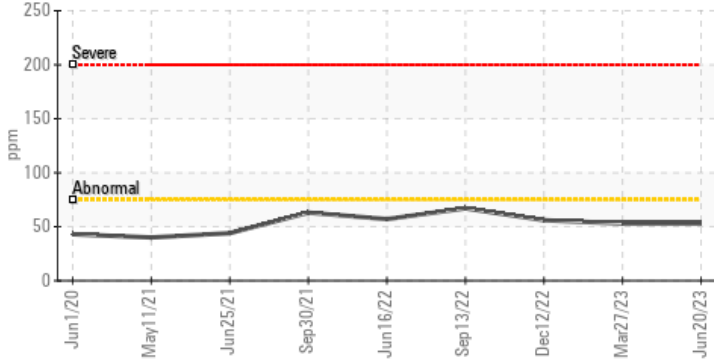
Aluminum (ppm)



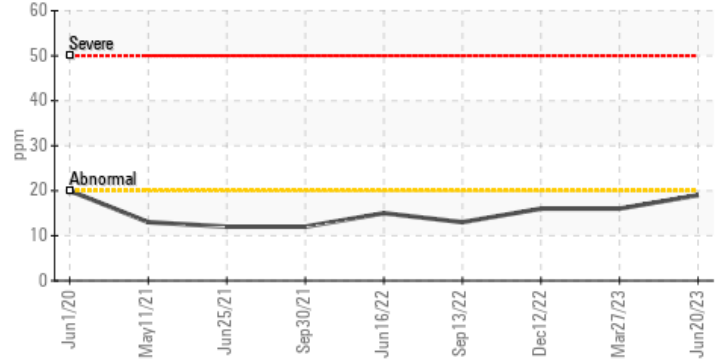
Chromium (ppm)



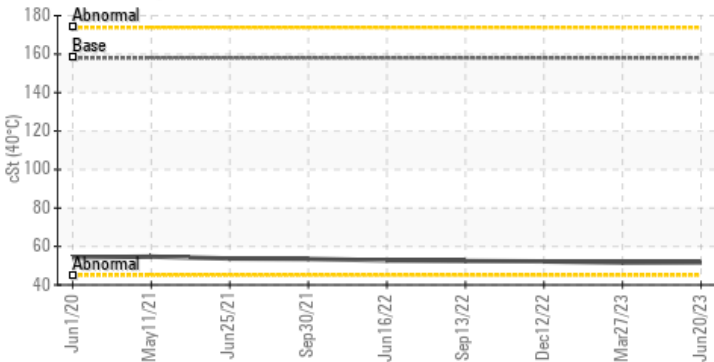
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

