



CONSTRUCTION EQUIPMENT

VOLVO A40G 342608 - WET DISC BRAKE



Sample No: VCP447653
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP447653	VCP433636	VCP331578	VCP339689
Sample Date	18 Jun 2024	02 Apr 2024	11 Dec 2023	03 Oct 2023
Machine Hours	12203	11716	11060	10659
Oil Hours	1544	1057	401	2155
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	56.4	51.1	52.5	49.6
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	14	15	20	15
Sodium	ppm	4	5	1	2
Potassium	ppm	0	0	0	2

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	14	74	13	17
Copper	ppm	32	35	27	60
Lead	ppm	0	<1	0	<1
Tin	ppm	0	<1	0	0
Aluminum	ppm	2	<1	1	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	0	<1
Nickel	ppm	<1	<1	1	3
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	2	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3323	3134	3295	3305
Magnesium	ppm	14	14	17	13
Zinc	ppm	1333	1270	1393	1400
Phosphorus	ppm	1126	1329	1109	1118
Barium	ppm	0	0	0	0
Boron	ppm	99	131	103	113

Depot: SCHGRE
Unique No: 1111390
Signed: Don Baldrige
Report Date: 07 Jul 2024

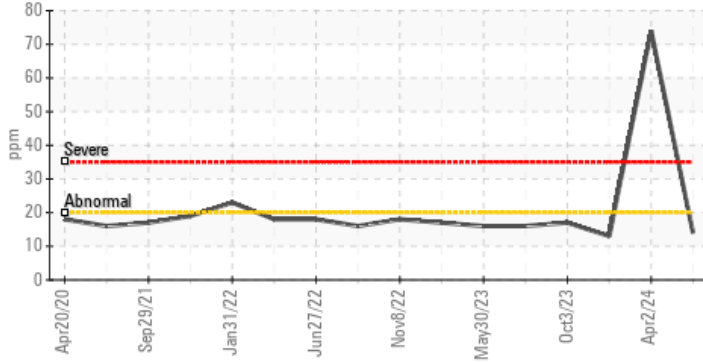


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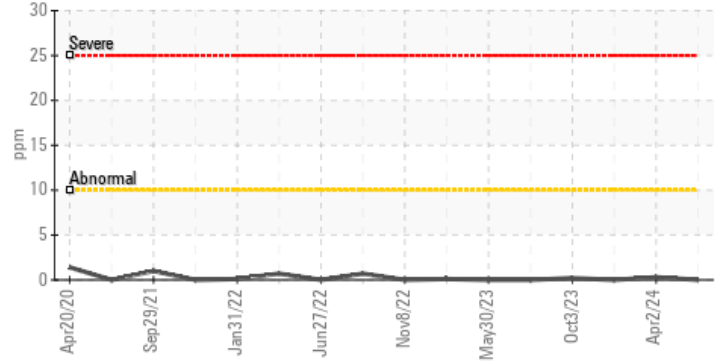


GRAPHS

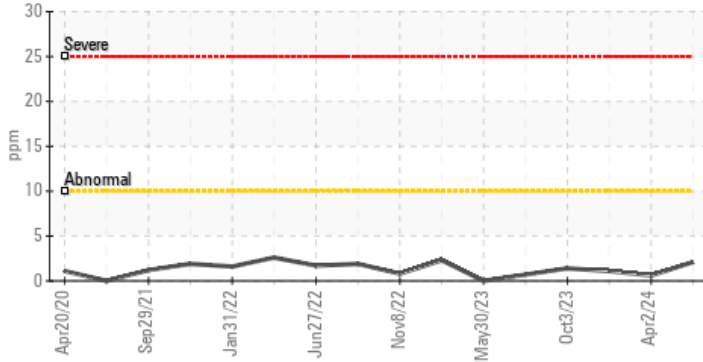
Iron (ppm)



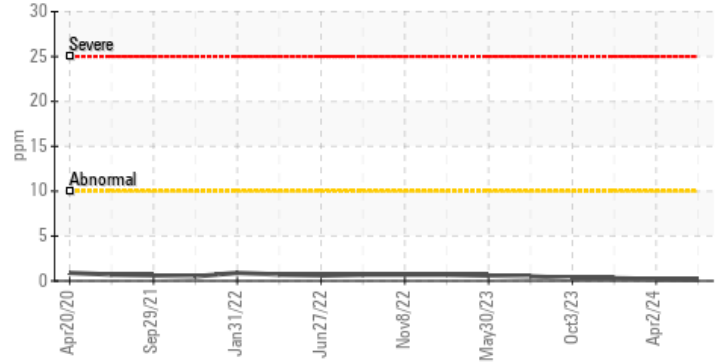
Lead (ppm)



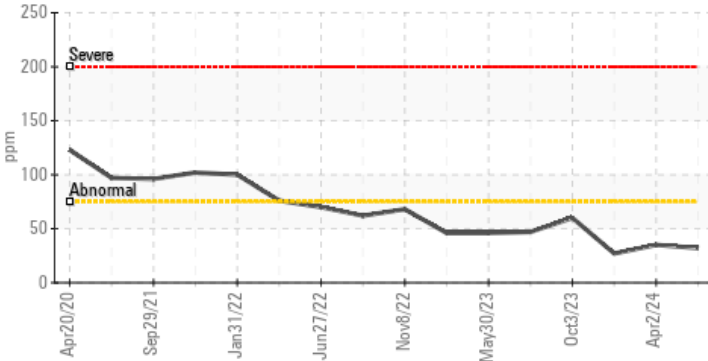
Aluminum (ppm)



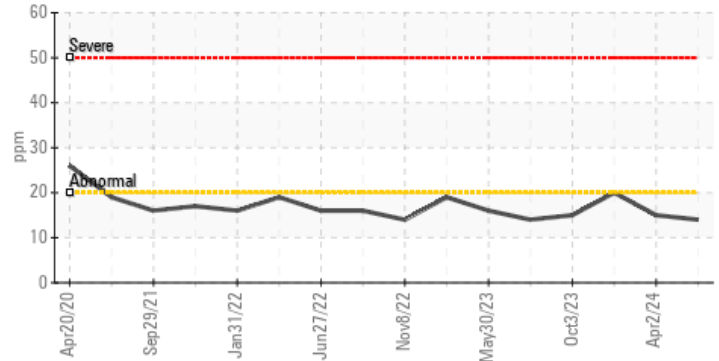
Chromium (ppm)



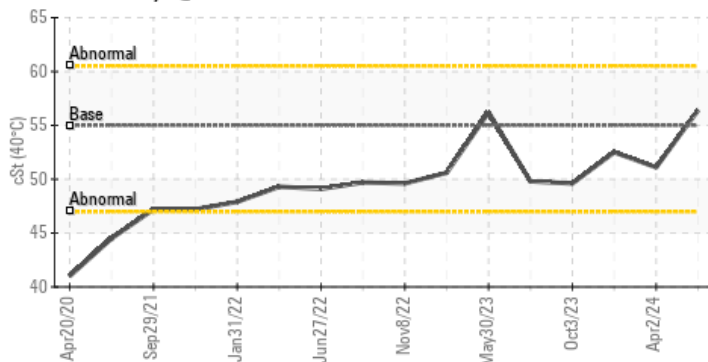
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

