



CONSTRUCTION EQUIPMENT

VOLVO A40G 352025 - WET DISC BRAKE



Sample No: VCP447442
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP447442	VCP378560	VCP329502	VCP405666
Sample Date	29 Apr 2024	14 Feb 2024	06 Nov 2023	21 Aug 2023
Machine Hours	10924	10331	9810	9271
Oil Hours	593	2078	1557	1021
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	54.2	50.7	50.8	51.1
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	15	17	17	16
Sodium	ppm	2	4	5	3
Potassium	ppm	2	<1	0	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	17	18	14	12
Copper	ppm	48	43	40	31
Lead	ppm	<1	1	<1	0
Tin	ppm	1	<1	0	0
Aluminum	ppm	1	2	<1	<1
Chromium	ppm	1	<1	0	<1
Molybdenum	ppm	1	<1	0	0
Nickel	ppm	3	2	1	1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	3435	3477	3382	3369
Magnesium	ppm	16	19	16	19
Zinc	ppm	1380	1436	1441	1364
Phosphorus	ppm	1150	1115	1174	1090
Barium	ppm	0	0	0	0
Boron	ppm	124	112	115	131

Depot: SCHGRE
Unique No: 11019011
Signed: Don Baldrige
Report Date: 10 May 2024

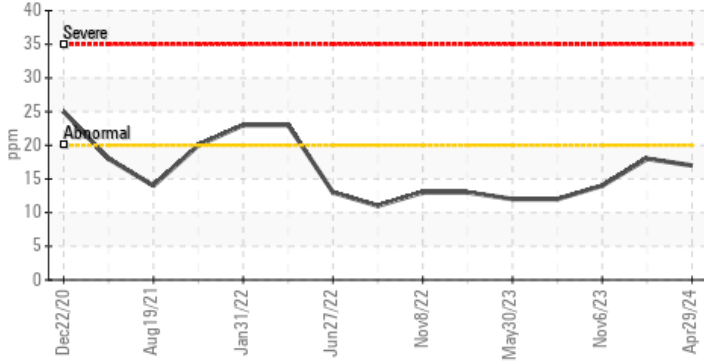


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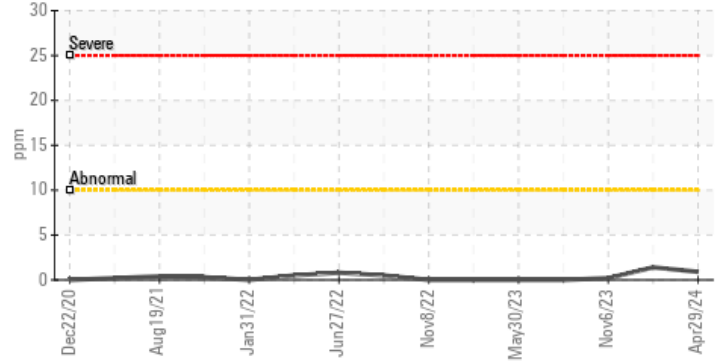


GRAPHS

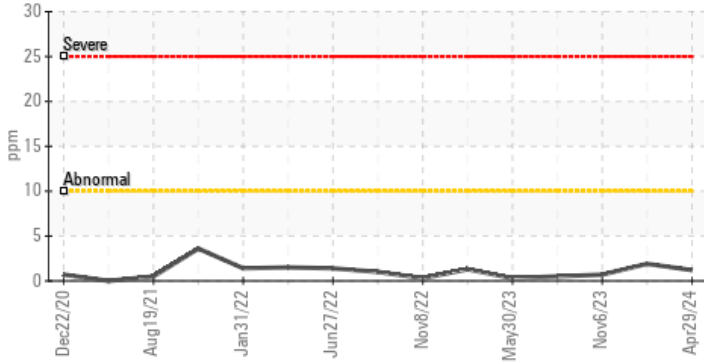
Iron (ppm)



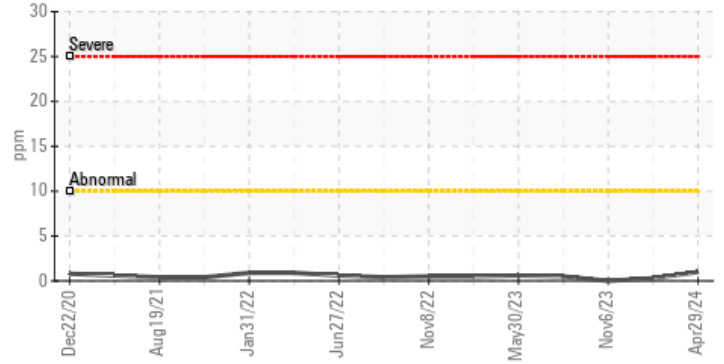
Lead (ppm)



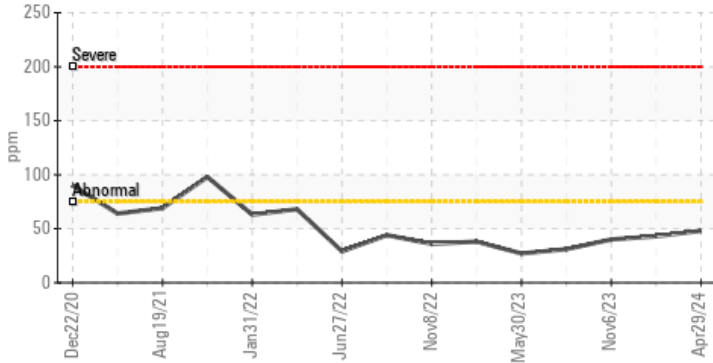
Aluminum (ppm)



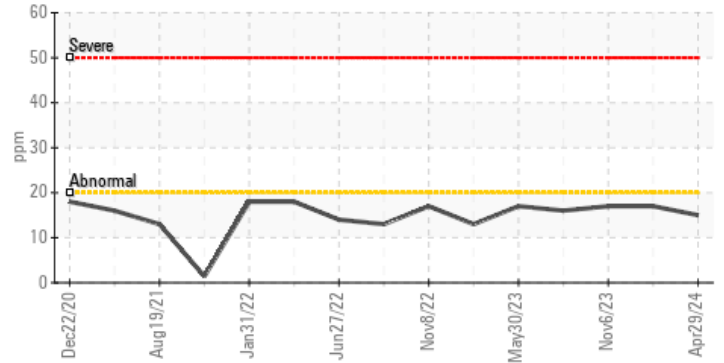
Chromium (ppm)



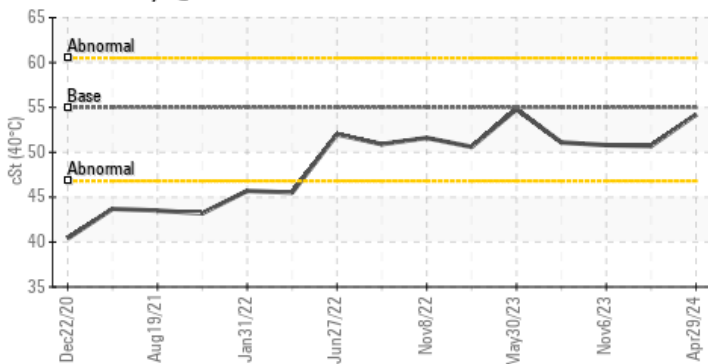
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

