



CONSTRUCTION EQUIPMENT

2827 VOLVO A40G 342610 - WET DISC BRAKE



Sample No: VCP406472
Oil Type: MOBIL MOBILFLUID 424
Job No: 2827



SAMPLE INFORMATION

Sample Number	VCP406472	VCP385143	VCP379375	VCP362748
Sample Date	13 Jul 2023	27 Apr 2023	16 Jan 2023	12 Oct 2022
Machine Hours	9910	9441	8766	8249
Oil Hours	1144	675	1875	1358
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	49.8	49.9	50.1	50.4
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CONTAMINATION

Silicon	ppm	13	15	16	13
Sodium	ppm	7	8	7	2
Potassium	ppm	<1	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	19	18	▲ 23	18
Copper	ppm	75	77	81	79
Lead	ppm	1	0	<1	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	2	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	3	3	3	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	3021	3244	3388	3484
Magnesium	ppm	18	18	17	15
Zinc	ppm	1288	1380	1321	1402
Phosphorus	ppm	1064	1141	1085	1165
Barium	ppm	0	0	0	1
Boron	ppm	104	95	113	109

Depot: SCHGRE
Unique No: 10586834
Signed: Don Baldrige
Report Date: 04 Aug 2023

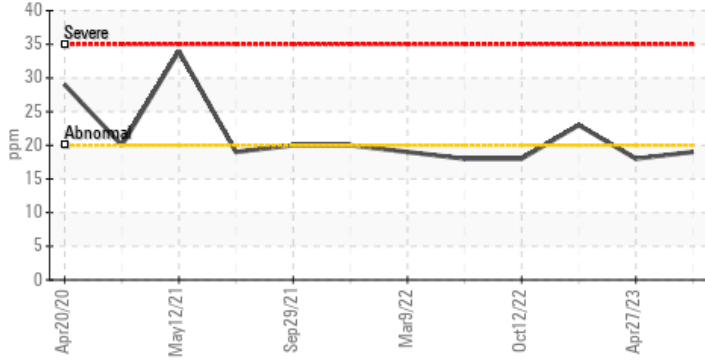


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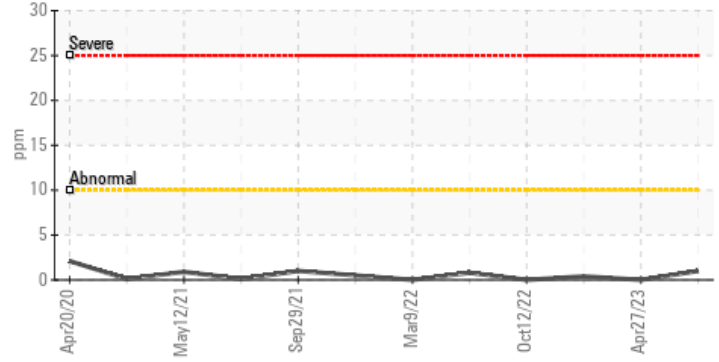


GRAPHS

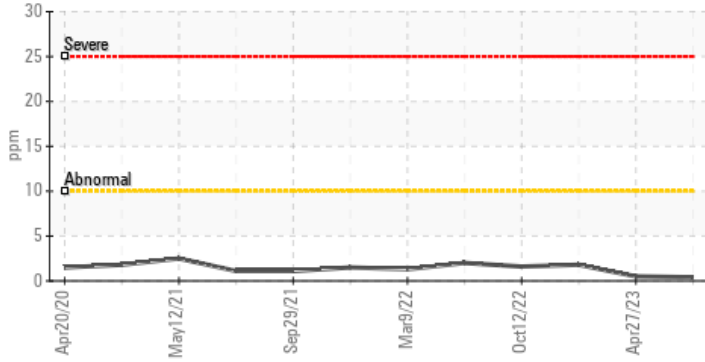
Iron (ppm)



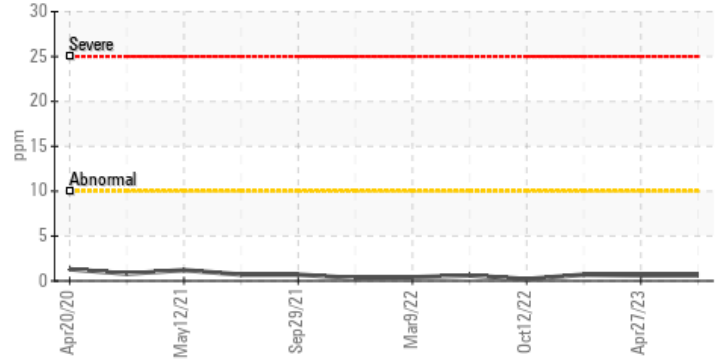
Lead (ppm)



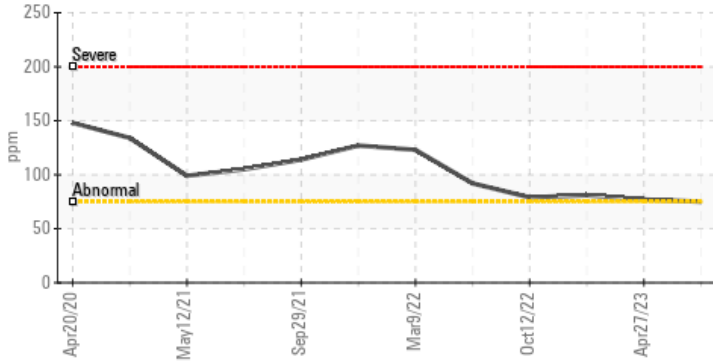
Aluminum (ppm)



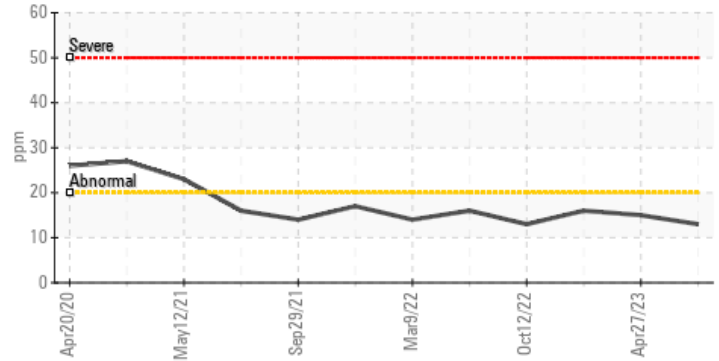
Chromium (ppm)



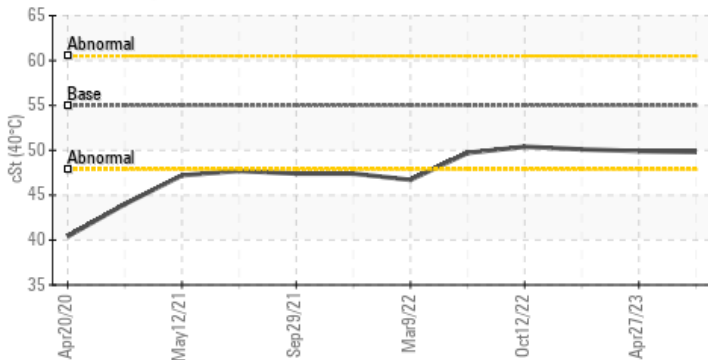
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

