



CONSTRUCTION EQUIPMENT

W07013626-1 VOLVO A45G 3425 19 - DROP BOX



Sample No: VCP409384
Oil Type: GEAR OIL SAE 75W80
Job No: W07013626-1



SAMPLE INFORMATION

Sample Number	VCP409384	VCP420985	VCP378315	VCP259478
Sample Date	20 Oct 2023	13 Apr 2023	11 Jul 2022	14 Oct 2021
Machine Hours	5995	5481	4282	3126
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	Changed	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

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 GLEN ALLEN, VA
 US 23060
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 T:
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OIL CONDITION

Visc @ 40°C	cSt	51.5	53.3	125	50.8
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CONTAMINATION

Silicon	ppm	7	46	▲ 154	48
Sodium	ppm	1	4	5	0
Potassium	ppm	<1	2	2	<1

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	61	53	242	85
Copper	ppm	<1	0	1	<1
Lead	ppm	0	0	<1	<1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	<1	<1	▲ 14	8
Chromium	ppm	<1	<1	4	2
Molybdenum	ppm	2	<1	6	5
Nickel	ppm	<1	0	2	<1
Titanium	ppm	0	0	1	2
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	1	4	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	23	9	44	33
Magnesium	ppm	4	7	2	14
Zinc	ppm	62	7	107	30
Phosphorus	ppm	2057	2553	1890	2328
Barium	ppm	0	0	0	<1
Boron	ppm	197	327	196	312

Depot: VOLVO8882
Unique No: 10712219
Signed: Wes Davis
Report Date: 26 Oct 2023

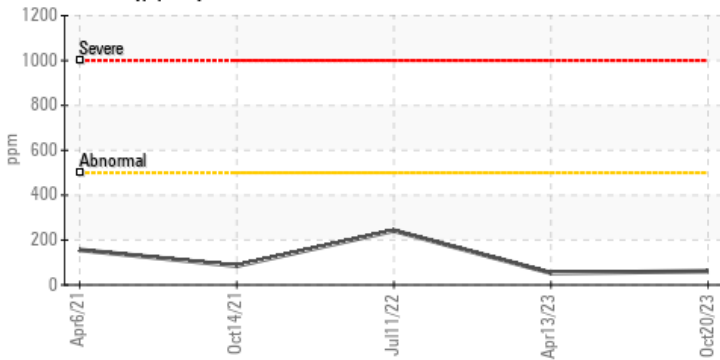


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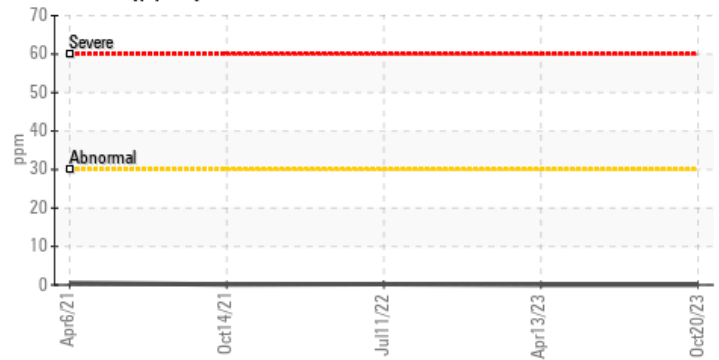


GRAPHS

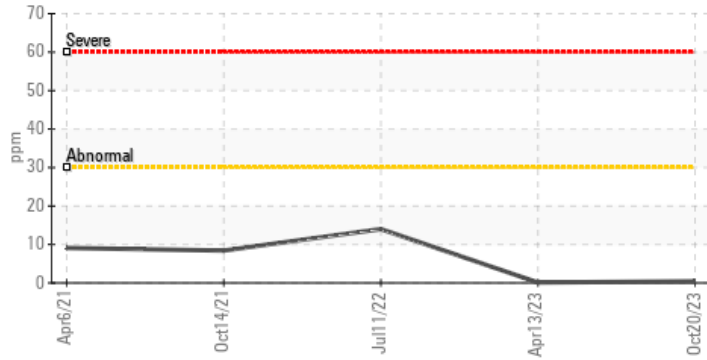
Iron (ppm)



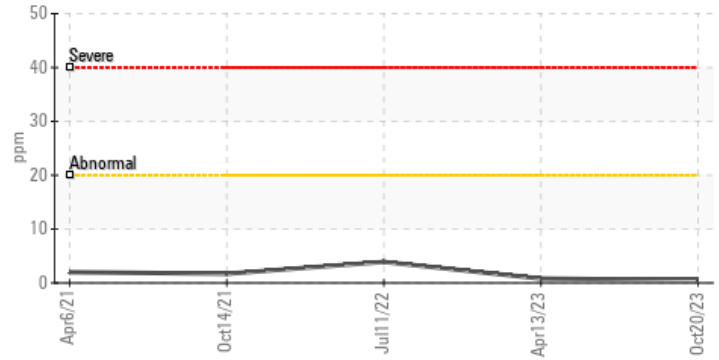
Lead (ppm)



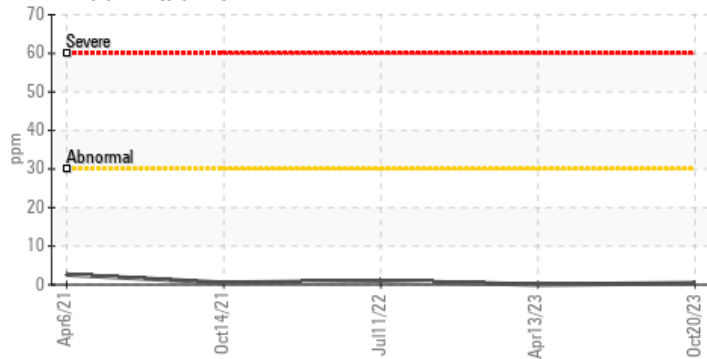
Aluminum (ppm)



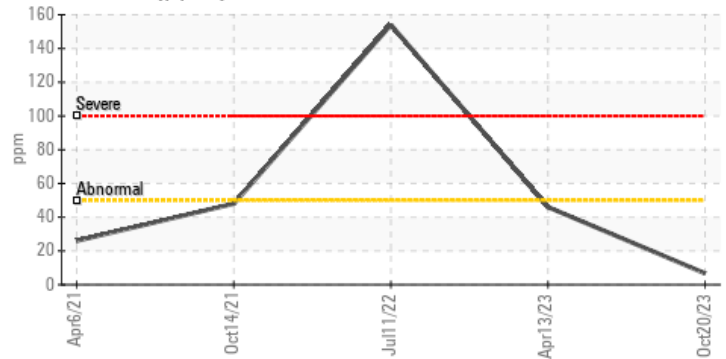
Chromium (ppm)



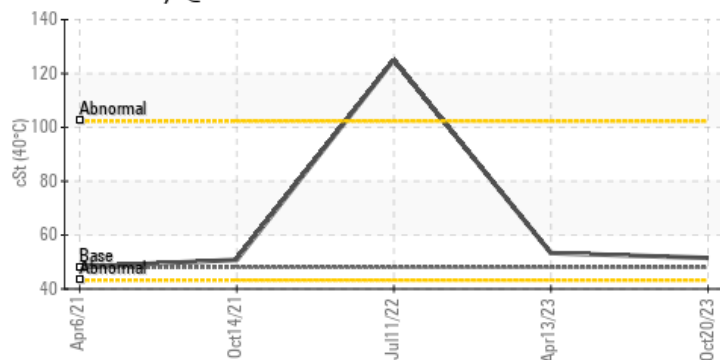
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

