



CONSTRUCTION EQUIPMENT

VOLVO A40G 352449 - TRANSMISSION (AUTO)



Sample No: VCP335488
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No:



SAMPLE INFORMATION

Sample Number	VCP335488	VCP411072	VCP421333	VCP311433
Sample Date	25 Oct 2023	16 Aug 2023	21 Jul 2023	30 Apr 2021
Machine Hours	7451	7072	6888	2179
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	N/A
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	28.5	28.4	30.1	26.7
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CONTAMINATION

Silicon	ppm	3	3	3	4
Sodium	ppm	3	2	2	6
Potassium	ppm	<1	0	1	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	8	7	13	24
Copper	ppm	12	<1	9	53
Lead	ppm	0	0	0	<1
Tin	ppm	1	0	<1	3
Aluminum	ppm	4	<1	3	9
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	1	0	1	▲ 8
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	68	74	76	89
Magnesium	ppm	12	0	0	2
Zinc	ppm	0	0	<1	9
Phosphorus	ppm	188	203	224	173
Barium	ppm	0	0	0	0
Boron	ppm	95	96	123	70

Depot: VOLVO0090
Unique No: 10715905
Signed: Angela Borella
Report Date: 31 Oct 2023

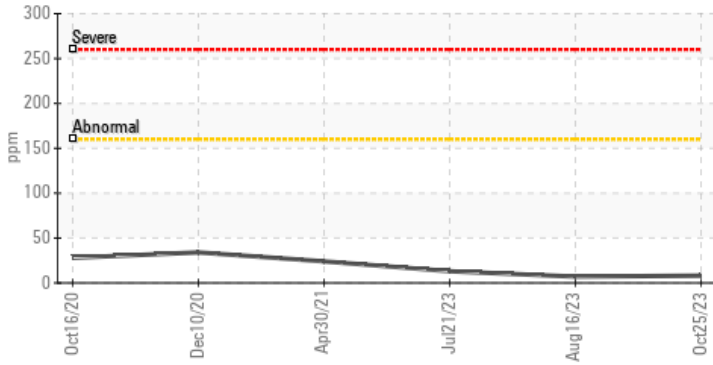


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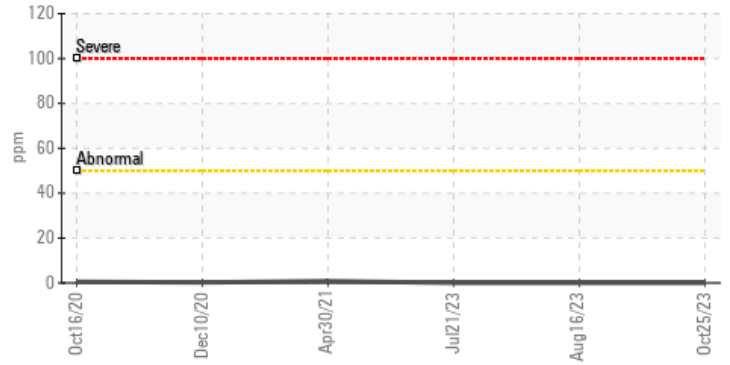


GRAPHS

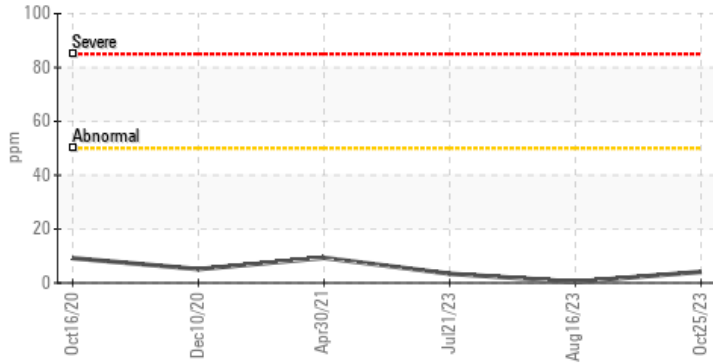
Iron (ppm)



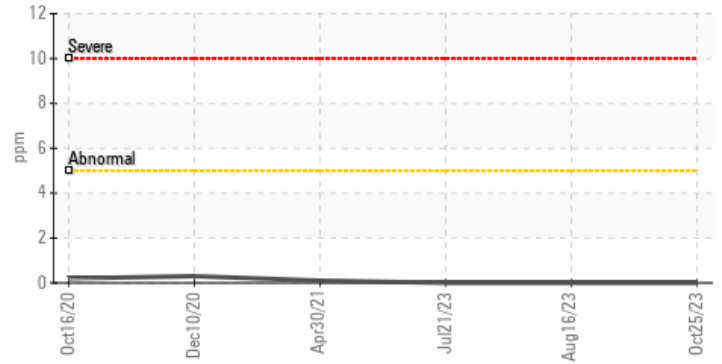
Lead (ppm)



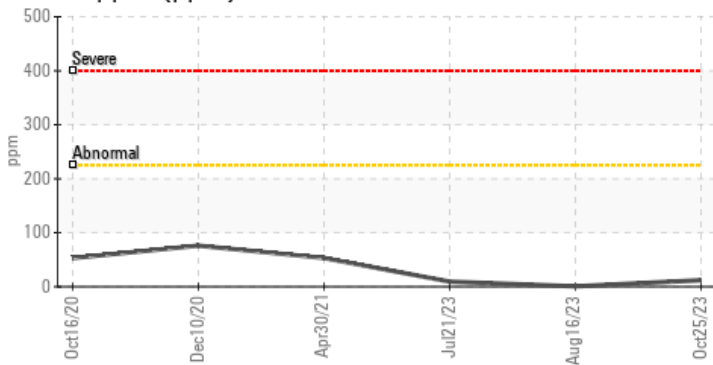
Aluminum (ppm)



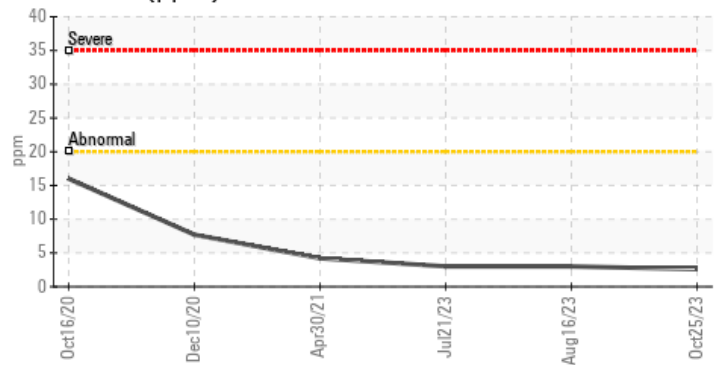
Chromium (ppm)



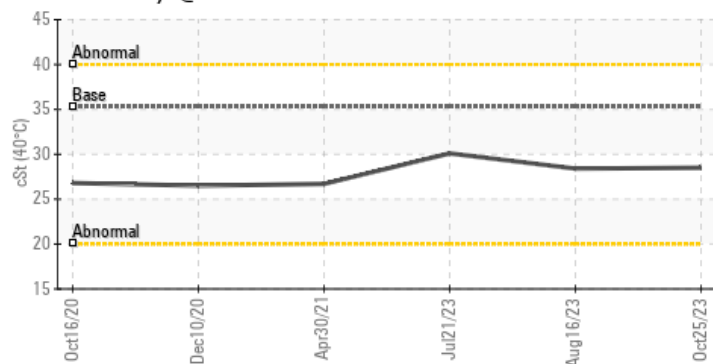
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

