



CONSTRUCTION EQUIPMENT

VOLVO A40G 342374 - TRANSMISSION (AUTO)



Sample No: VCP451058

Oil Type: MOBIL ATF

Job No:



SAMPLE INFORMATION

Sample Number	VCP451058	VCP396993	VCP442551	VCP400061
Sample Date	10 Jun 2024	11 Mar 2024	06 Dec 2023	20 Jul 2023
Machine Hours	11948	11321	10857	10329
Oil Hours	627	464	528	454
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	29.4	29.5	29.2	30.9
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	3	2	2
Sodium	ppm	3	2	3	2
Potassium	ppm	<1	1	0	2

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	9	8	4	6
Copper	ppm	3	4	3	3
Lead	ppm	0	<1	0	<1
Tin	ppm	0	1	<1	<1
Aluminum	ppm	4	4	3	3
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	3	4	0	2
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	<1	0	<1



ADDITIVES

Calcium	ppm	226	206	144	237
Magnesium	ppm	21	19	6	19
Zinc	ppm	58	53	24	70
Phosphorus	ppm	273	228	247	266
Barium	ppm	0	0	0	0
Boron	ppm	101	98	116	99

Depot: SCHGRE
Unique No: 11127103
Signed: Sean Felton
Report Date: 18 Jul 2024

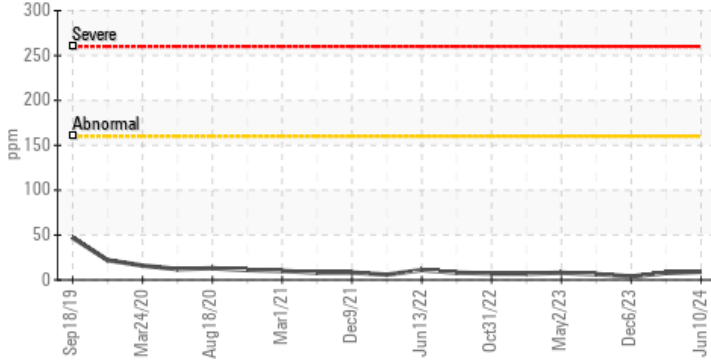


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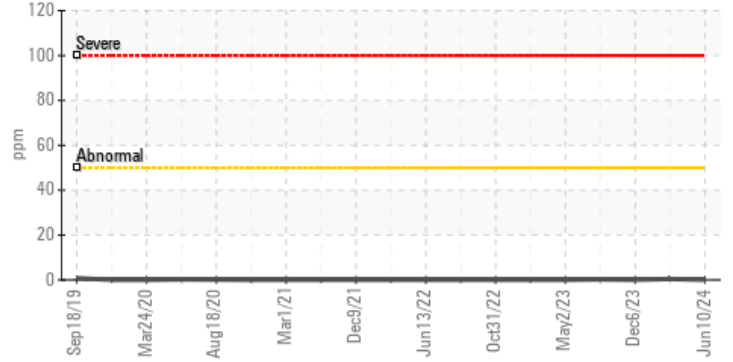


GRAPHS

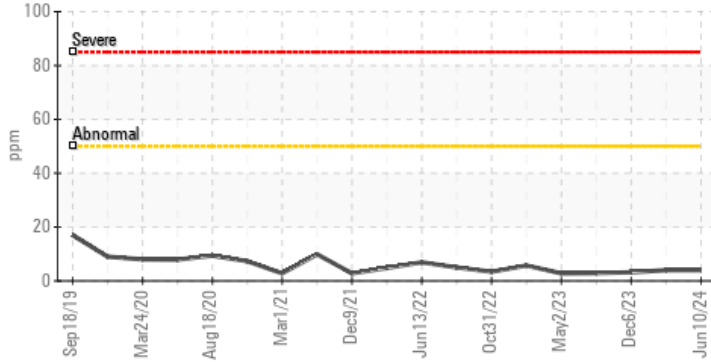
Iron (ppm)



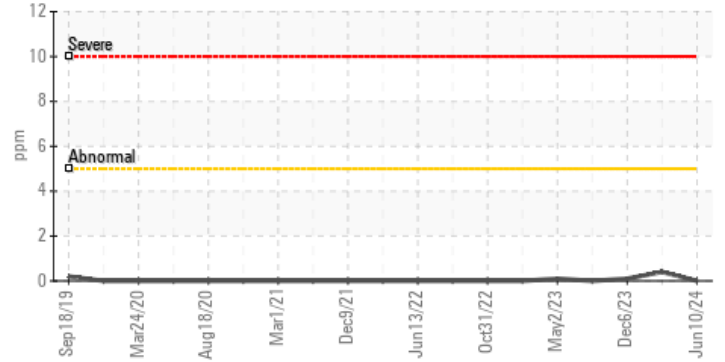
Lead (ppm)



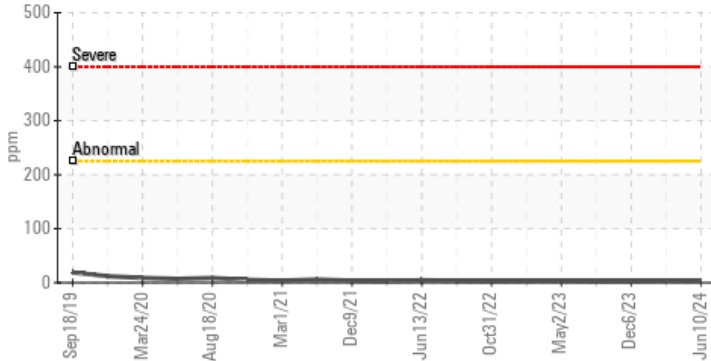
Aluminum (ppm)



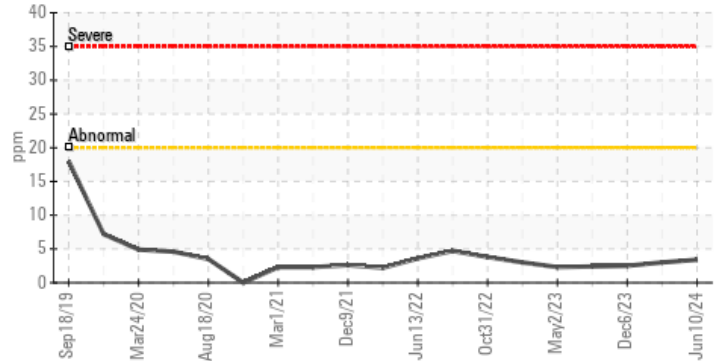
Chromium (ppm)



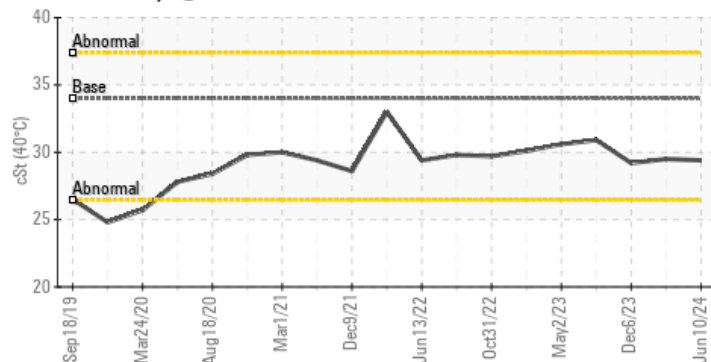
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

