



CONSTRUCTION EQUIPMENT

VOLVO A40F 12386 - TRANSMISSION (AUTO)



Sample No: VCP331516

Oil Type: MOBIL ATF

Job No:



SAMPLE INFORMATION

Sample Number	VCP331516	VCP362618	VCP402903	VCP404894
Sample Date	05 Feb 2024	19 Oct 2023	19 Jul 2023	02 May 2023
Machine Hours	12336	11856	11382	10948
Oil Hours	486	474	434	390
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	28.5	28.1	30.3	35.3
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	3	3	4
Sodium	ppm	3	0	3	4
Potassium	ppm	0	2	2	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 fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	1	11	9	8
Copper	ppm	57	83	64	54
Lead	ppm	<1	0	<1	0
Tin	ppm	3	4	4	2
Aluminum	ppm	7	4	4	3
Chromium	ppm	0	<1	0	0
Molybdenum	ppm	0	<1	2	2
Nickel	ppm	<1	1	<1	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	<1	0	<1	0



ADDITIVES

Calcium	ppm	98	155	242	274
Magnesium	ppm	2	6	18	17
Zinc	ppm	3	27	71	74
Phosphorus	ppm	218	248	268	286
Barium	ppm	0	0	0	0
Boron	ppm	132	108	95	93

Depot: SCHGRE
Unique No: 10898787
Signed: Jonathan Hester
Report Date: 28 Feb 2024

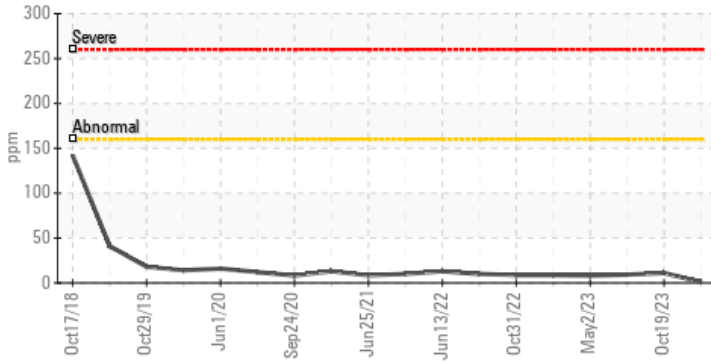


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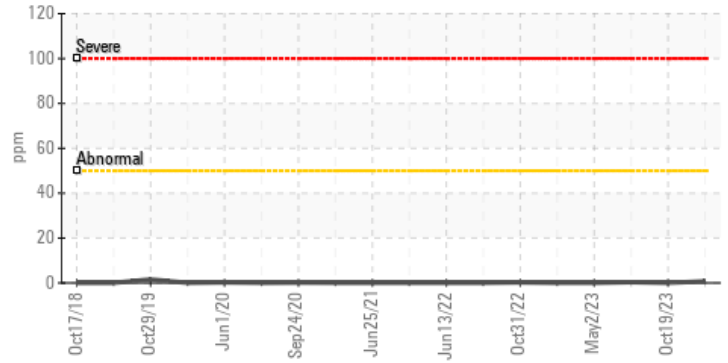


GRAPHS

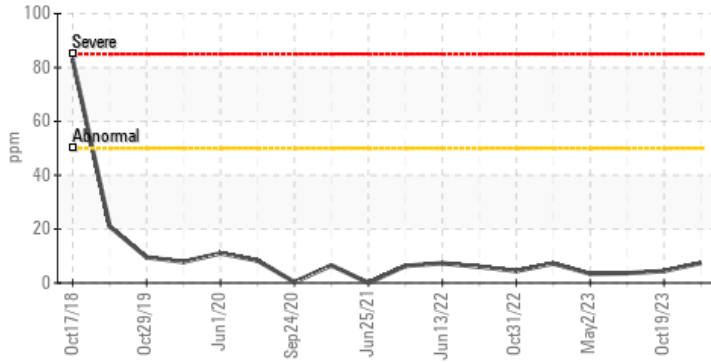
Iron (ppm)



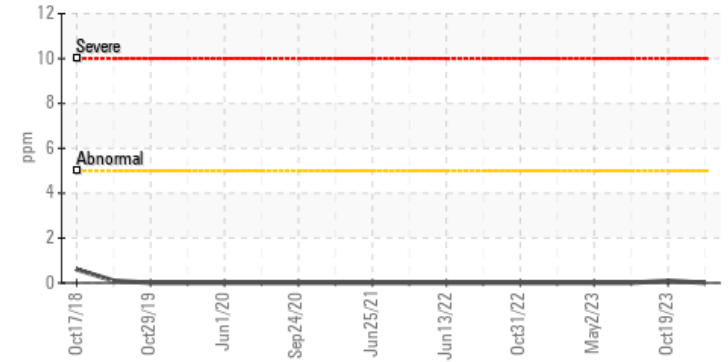
Lead (ppm)



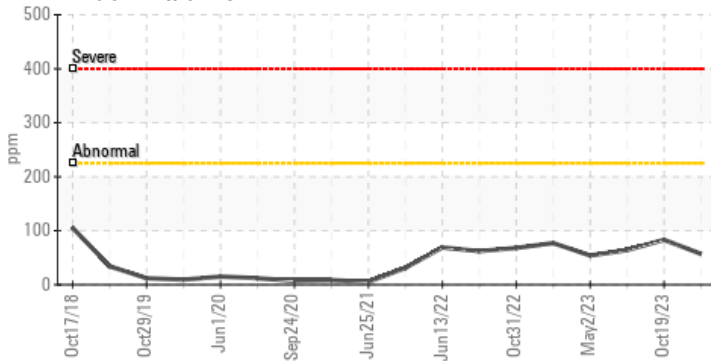
Aluminum (ppm)



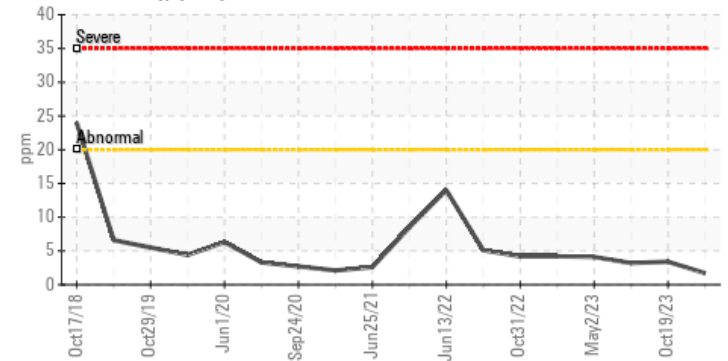
Chromium (ppm)



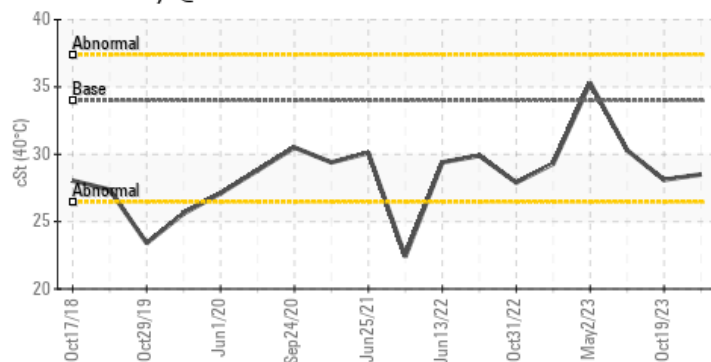
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

