



CONSTRUCTION EQUIPMENT

VOLVO A40F 12386 - TRANSMISSION (AUTO)



Sample No: VCP435808

Oil Type: MOBIL ATF

Job No:



SAMPLE INFORMATION

Sample Number	VCP435808	VCP331516	VCP362618	VCP402903
Sample Date	22 Feb 2024	05 Feb 2024	19 Oct 2023	19 Jul 2023
Machine Hours	12894	12336	11856	11382
Oil Hours	558	486	474	434
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	28.9	28.5	28.1	30.3
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	2	3	3
Sodium	ppm	2	3	0	3
Potassium	ppm	<1	0	2	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 fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	10	1	11	9
Copper	ppm	48	57	83	64
Lead	ppm	<1	<1	0	<1
Tin	ppm	3	3	4	4
Aluminum	ppm	6	7	4	4
Chromium	ppm	0	0	<1	0
Molybdenum	ppm	0	0	<1	2
Nickel	ppm	0	<1	1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	<1	0	<1



ADDITIVES

Calcium	ppm	118	98	155	242
Magnesium	ppm	2	2	6	18
Zinc	ppm	14	3	27	71
Phosphorus	ppm	246	218	248	268
Barium	ppm	0	0	0	0
Boron	ppm	112	132	108	95

Depot: SCHGRE
Unique No: 11005692
Signed: Jonathan Hester
Report Date: 03 May 2024

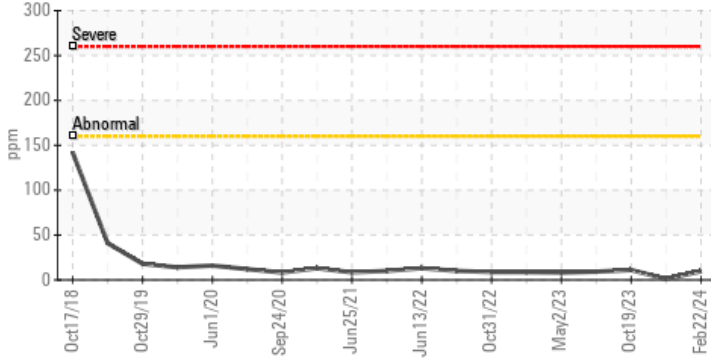


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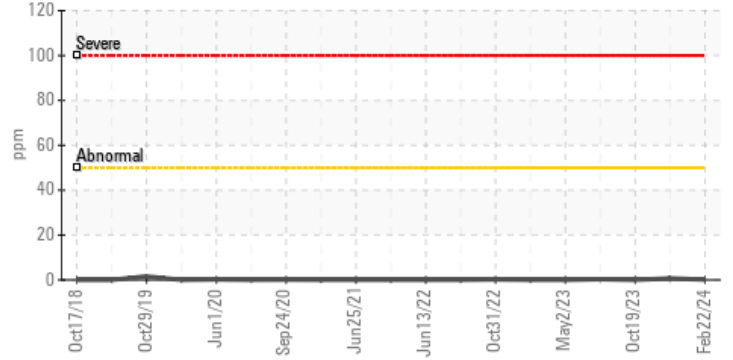


GRAPHS

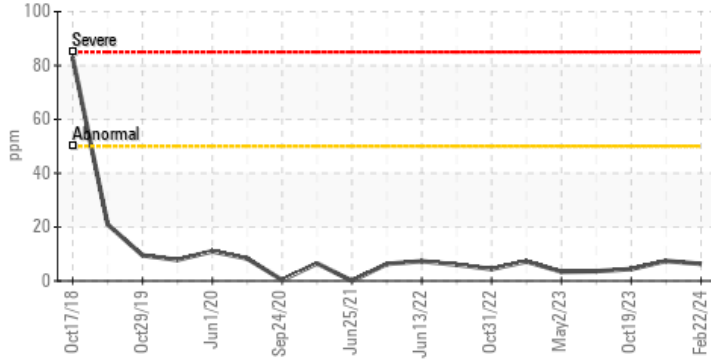
Iron (ppm)



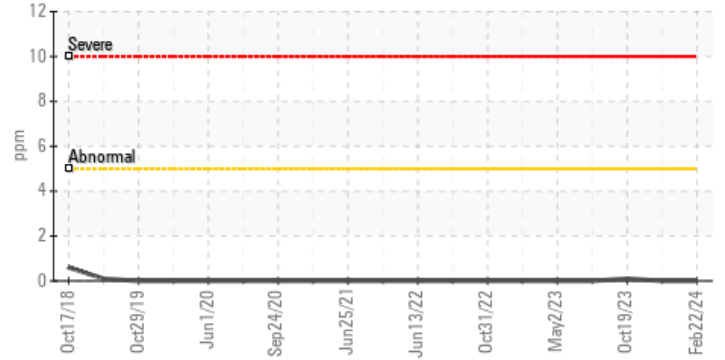
Lead (ppm)



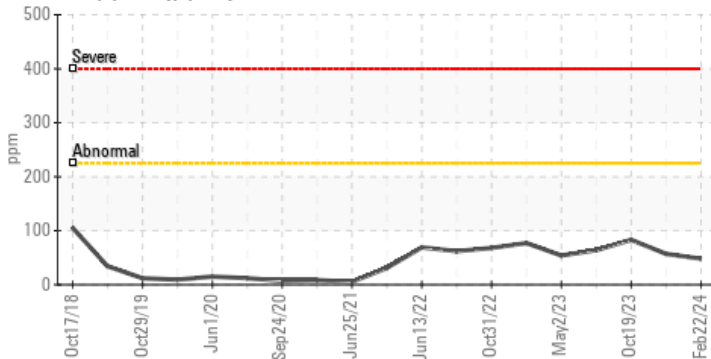
Aluminum (ppm)



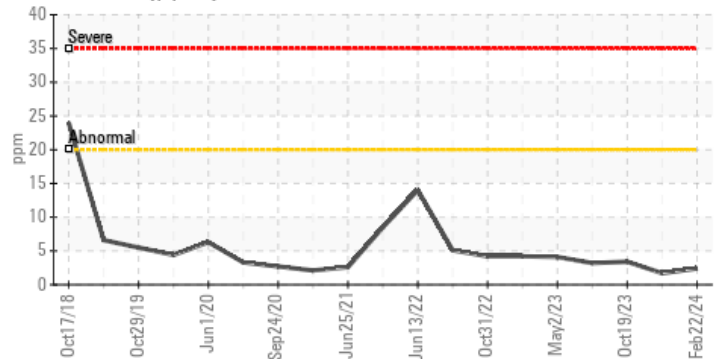
Chromium (ppm)



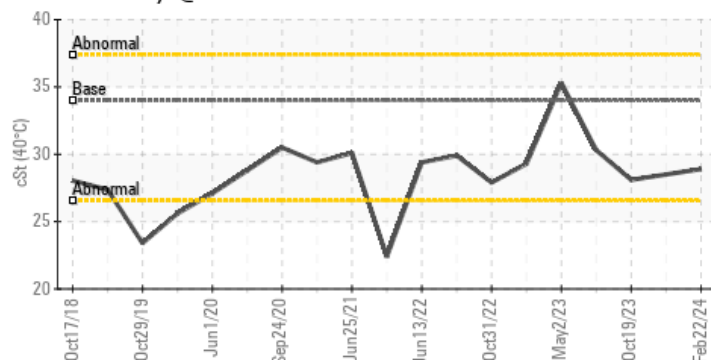
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

