



CONSTRUCTION EQUIPMENT

SWO-070331 VOLVO A40F 11843 - TRANSMISSION (AUTO)



Sample No: VCP452460
Oil Type: {unknown}
Job No: SWO-070331



SAMPLE INFORMATION

Sample Number	VCP452460	VCP431969	VCP416744	VCP395231
Sample Date	12 Mar 2024	01 Nov 2023	02 Aug 2023	12 Apr 2023
Machine Hours	7075	6592	6103	5555
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

SAIIA CONSTRUCTION LLC

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 BIRMINGHAM, AL
 US 35207

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OIL CONDITION

Visc @ 40°C	cSt	28.2	28.5	28.4	28.5
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CONTAMINATION

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



WEAR METALS

Iron	ppm	13	9	15	10
Copper	ppm	177	141	216	122
Lead	ppm	<1	0	0	0
Tin	ppm	8	8	10	6
Aluminum	ppm	4	4	6	4
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	67	71	75	73
Magnesium	ppm	<1	2	2	5
Zinc	ppm	2	0	6	0
Phosphorus	ppm	150	179	184	190
Barium	ppm	0	0	0	0
Boron	ppm	82	95	98	94

Depot: SAIBIR
Unique No: 10930054
Signed: Don Baldrige
Report Date: 20 Mar 2024

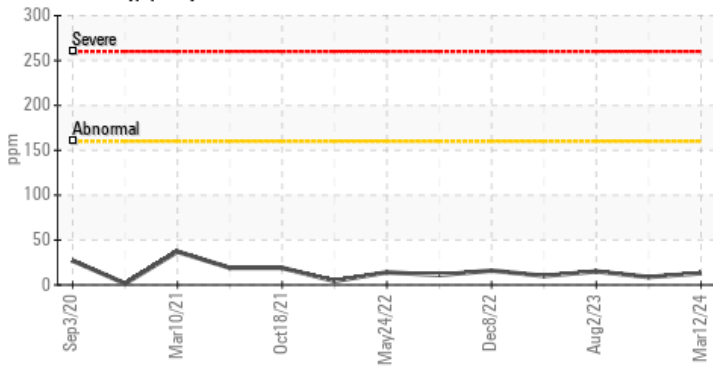


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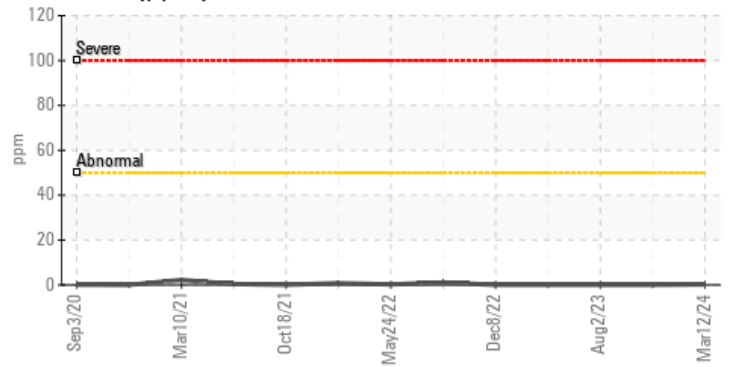


GRAPHS

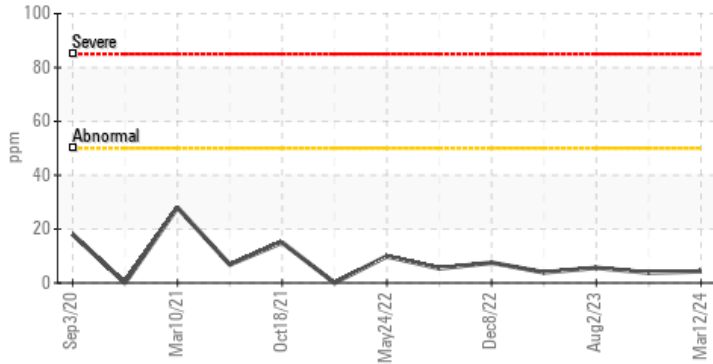
Iron (ppm)



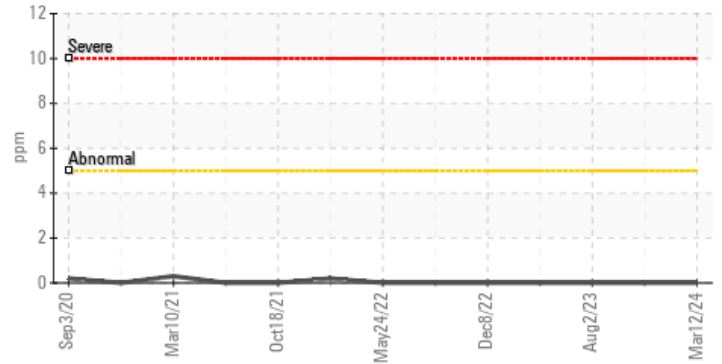
Lead (ppm)



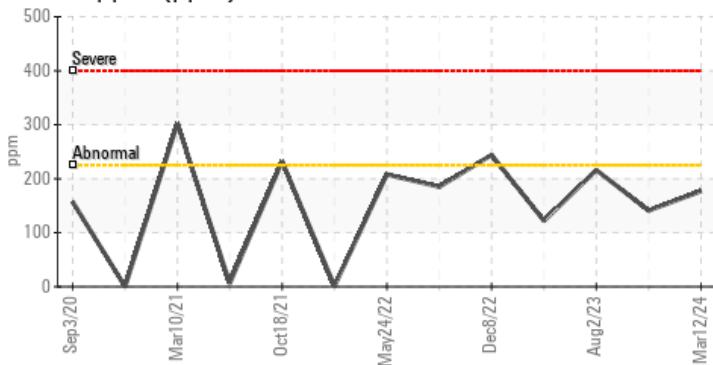
Aluminum (ppm)



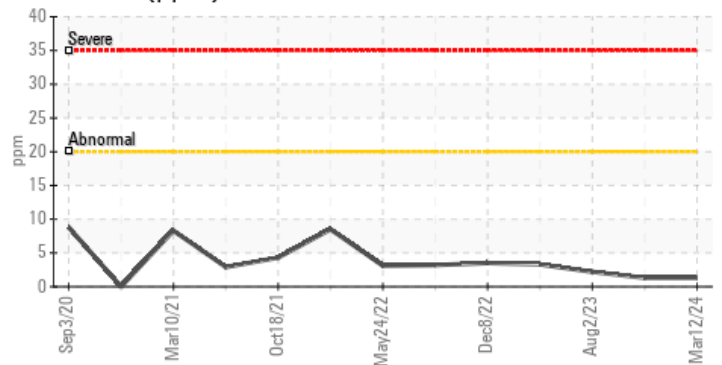
Chromium (ppm)



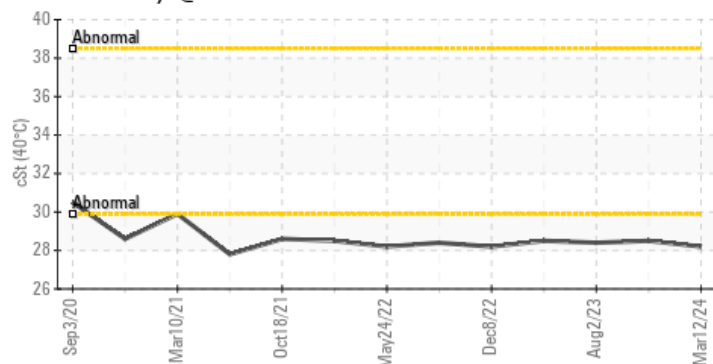
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

