



CONSTRUCTION EQUIPMENT

TMR-SARASOTA VOLVO L90E 66644 - TRANSMISSION (AUTO)



Sample No: VCP445955
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No:



SAMPLE INFORMATION

Sample Number	VCP445955	DJJ037726	DJJ015903	DJJ015495
Sample Date	20 Mar 2024	05 Mar 2019	15 Oct 2015	21 Oct 2014
Machine Hours	2244	14754	4085	3735
Oil Hours	0	1000	1000	0
Oil Changed	Not Chngd	Not Chngd	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	27.9	31.02	28.99	26.45
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	3	2	3
Sodium	ppm	1	<1	3	4
Potassium	ppm	2	1	<1	<1

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	73	3	2	3
Copper	ppm	5	4	5	8
Lead	ppm	<1	0	<1	<1
Tin	ppm	<1	0	0	<1
Aluminum	ppm	3	0	0	<1
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	1	<1	<1	<1
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	102	135	308	167
Magnesium	ppm	3	0	<1	0
Zinc	ppm	31	42	95	18
Phosphorus	ppm	222	156	292	246
Barium	ppm	1	0	0	0
Boron	ppm	93	75	74	79

Depot: VOLVO0090
Unique No: 10942440
Signed: Wes Davis
Report Date: 26 Mar 2024

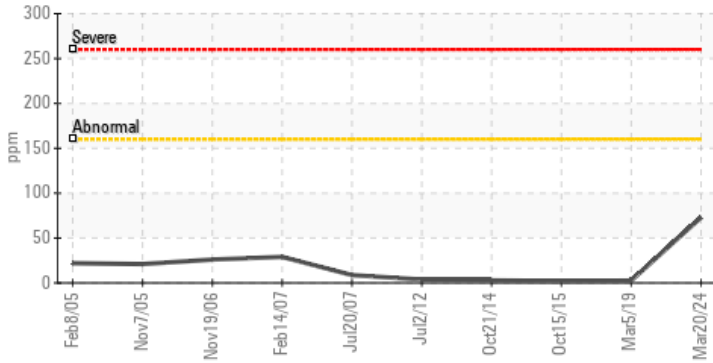


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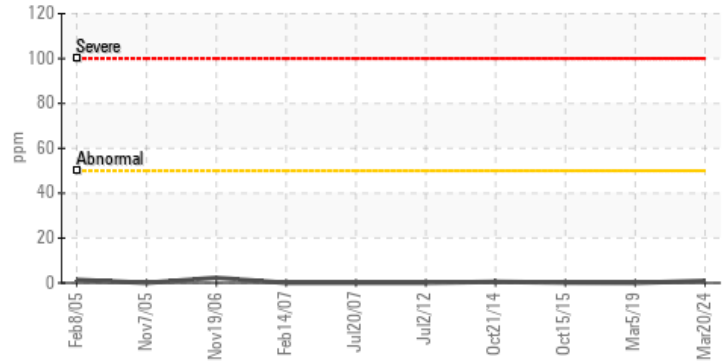


GRAPHS

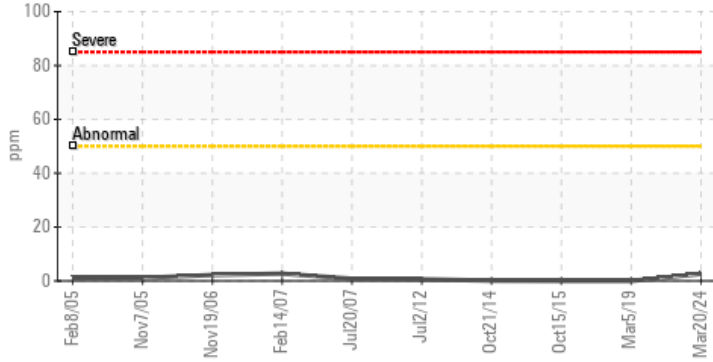
Iron (ppm)



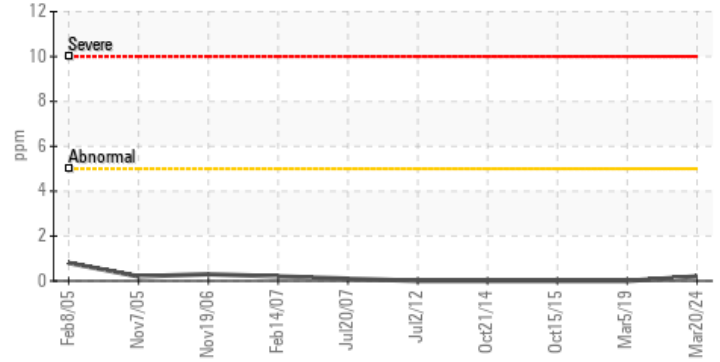
Lead (ppm)



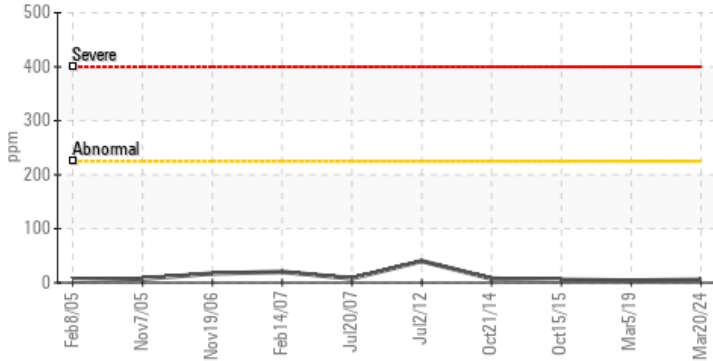
Aluminum (ppm)



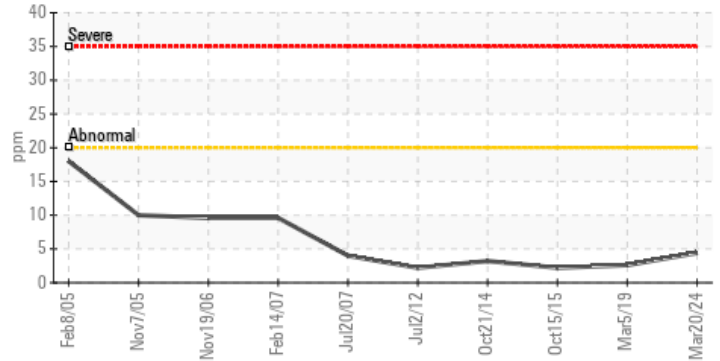
Chromium (ppm)



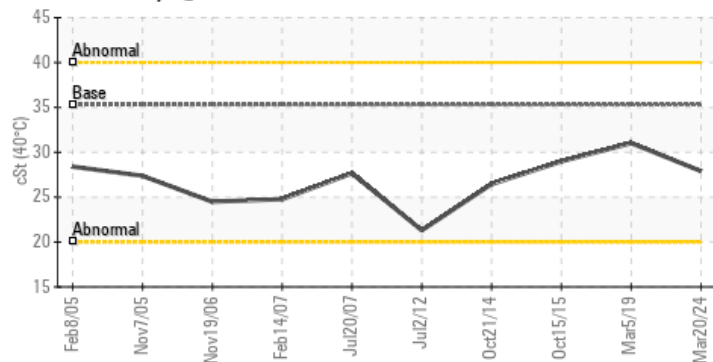
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

