



CONSTRUCTION EQUIPMENT

2739-1 VOLVO L90F 3199 - TRANSMISSION (AUTO)



Sample No: VCP429487
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: 2739-1



SAMPLE INFORMATION

Sample Number	VCP429487	VCP408342	VCP407760	VCP390161
Sample Date	06 Dec 2023	26 Sep 2023	28 Jun 2023	28 Mar 2023
Machine Hours	13995	17537	16948	16484
Oil Hours	1000	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	27.5	27.7	27.8	27.3
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	3	2	2
Sodium	ppm	5	2	3	2
Potassium	ppm	<1	2	0	<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	3	4	3	3
Copper	ppm	2	2	1	1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	<1	0	<1
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	78	82	89	82
Magnesium	ppm	0	2	5	4
Zinc	ppm	0	5	21	8
Phosphorus	ppm	185	193	180	182
Barium	ppm	0	0	0	0
Boron	ppm	89	97	89	101

Depot: VOLVO1023
Unique No: 10793496
Signed: Wes Davis
Report Date: 20 Dec 2023

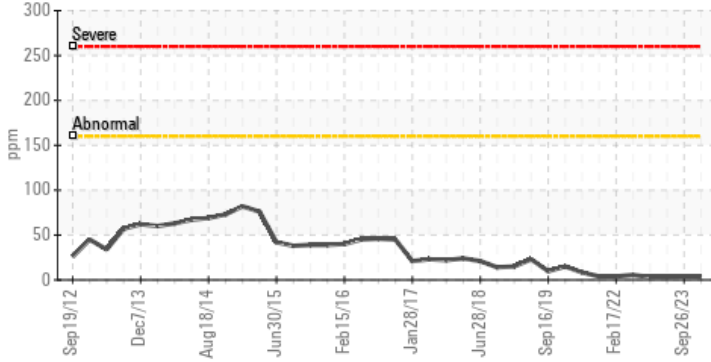


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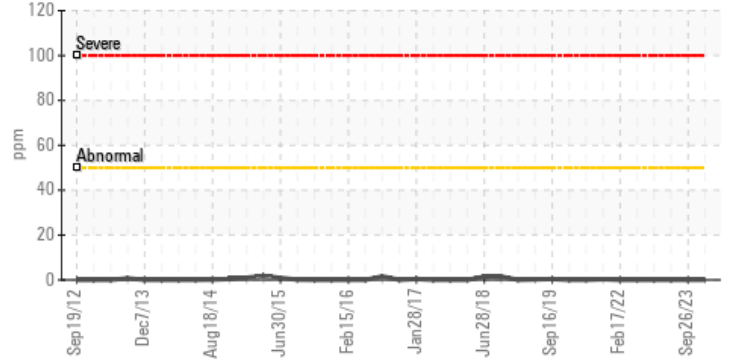


GRAPHS

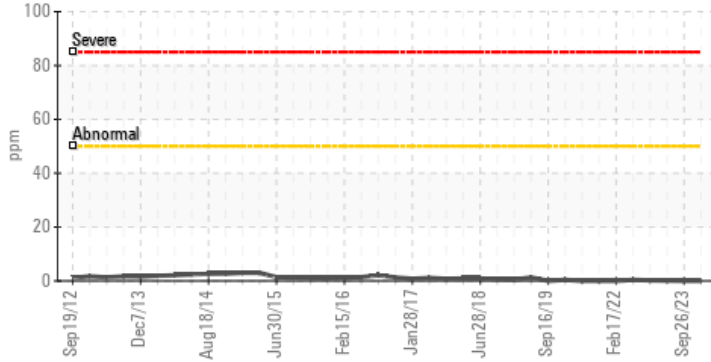
Iron (ppm)



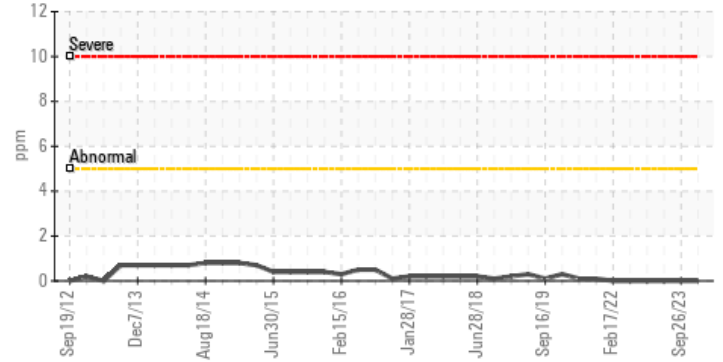
Lead (ppm)



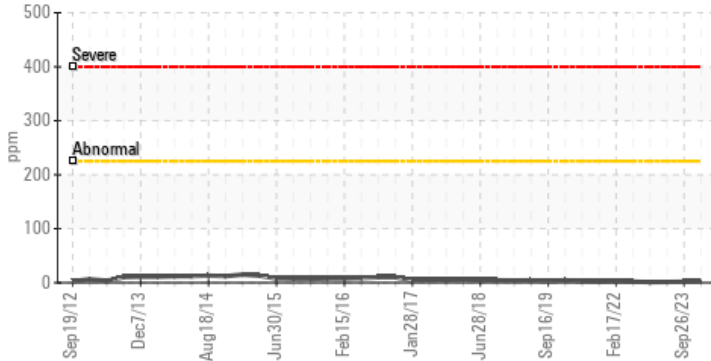
Aluminum (ppm)



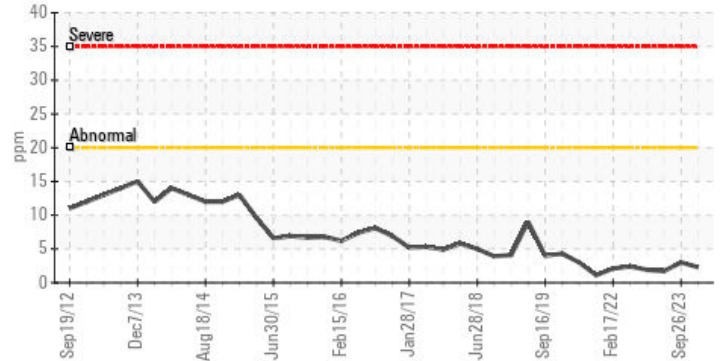
Chromium (ppm)



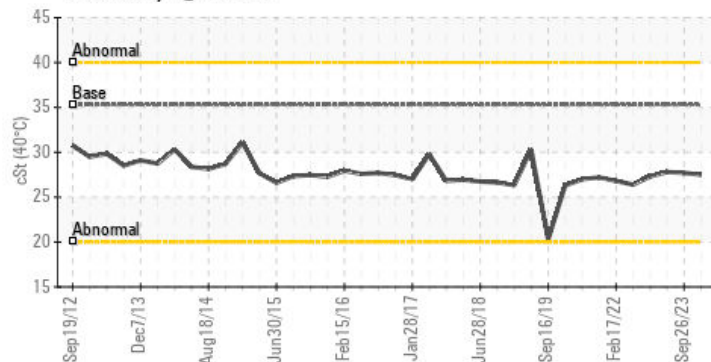
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

