



CONSTRUCTION EQUIPMENT

W14799 VOLVO L220H 2915 - TRANSMISSION (AUTO)



Sample No: VCP435136
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: W14799



SAMPLE INFORMATION

Sample Number	VCP435136	VCP426812	VCP398355	VCP374224
Sample Date	20 Oct 2023	02 Aug 2023	14 Feb 2023	12 Sep 2022
Machine Hours	5498	5035	4525	4189
Oil Hours	0	1000	500	2000
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	28.1	28.2	29.23	25.0
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CONTAMINATION

Silicon	ppm	3	2	3	3
Sodium	ppm	3	2	2	2
Potassium	ppm	<1	0	0	0



WEAR METALS

Iron	ppm	47	40	24	61
Copper	ppm	4	3	3	7
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	2	<1	5
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	2	<1	3	1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	128	104	103	125
Magnesium	ppm	10	16	11	14
Zinc	ppm	42	20	9	36
Phosphorus	ppm	202	212	204	177
Barium	ppm	0	0	0	0
Boron	ppm	83	89	100	64

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.

Depot: VOLVO0080
Unique No: 10727814
Signed: Wes Davis
Report Date: 07 Nov 2023

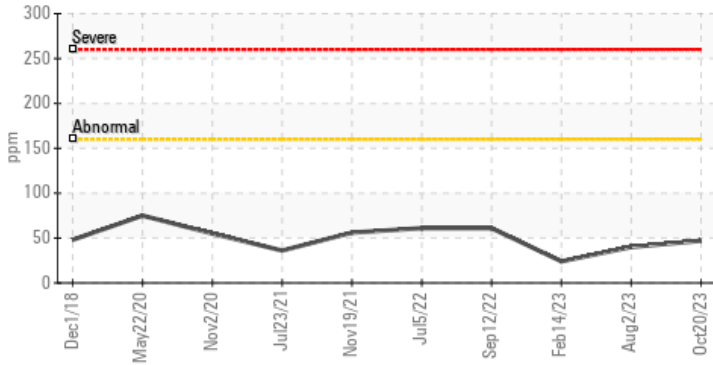


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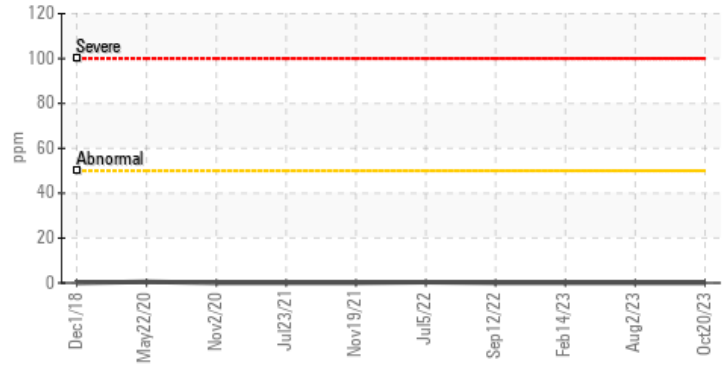


VOLVO GRAPHS

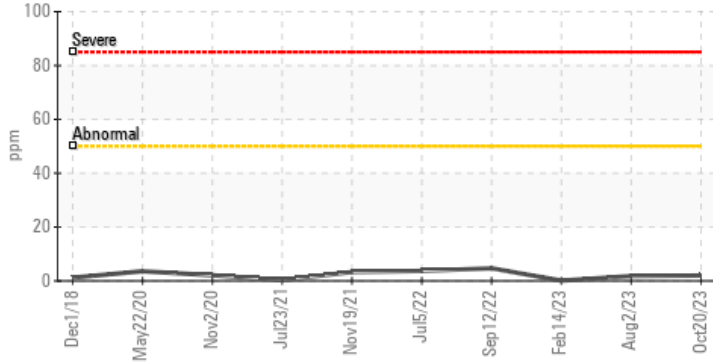
Iron (ppm)



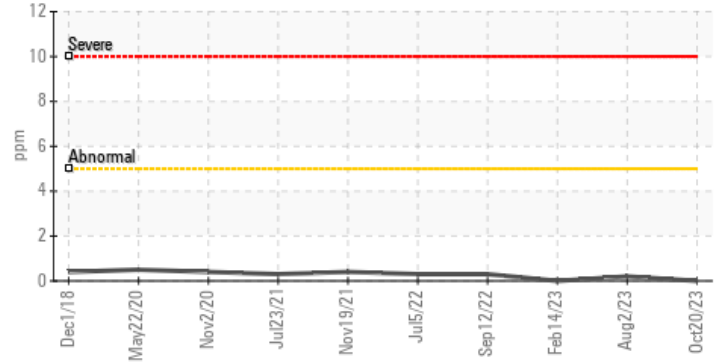
Lead (ppm)



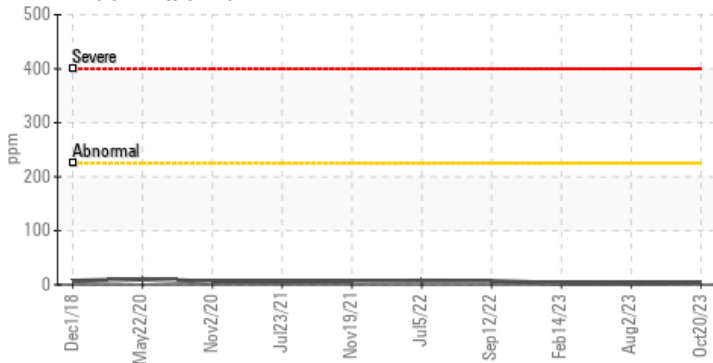
Aluminum (ppm)



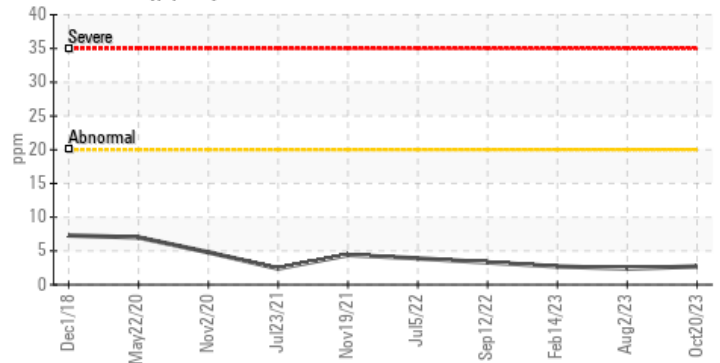
Chromium (ppm)



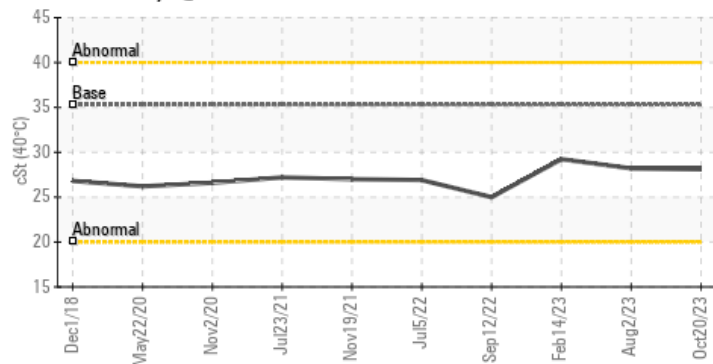
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

