



CONSTRUCTION EQUIPMENT

SWA337677 VOLVO L180H 5307 - TRANSMISSION (AUTO)



Sample No: VCP396261
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: SWA337677



SAMPLE INFORMATION

Sample Number	VCP396261	VCP425041	VCP367716	VCP354159
Sample Date	15 Aug 2023	06 May 2023	05 Dec 2022	24 Jun 2022
Machine Hours	6961	6869	6547	5245
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ALTA EQUIPMENT
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OIL CONDITION

Visc @ 40°C	cSt	29.2	27.5	28.9	28.1
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CONTAMINATION

Silicon	ppm	5	4	4	6
Sodium	ppm	2	1	2	<1
Potassium	ppm	0	3	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	11	23	23	14
Copper	ppm	2	4	5	2
Lead	ppm	0	<1	0	<1
Tin	ppm	0	<1	0	0
Aluminum	ppm	0	1	1	1
Chromium	ppm	0	<1	0	0
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	<1	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	70	72	78	87
Magnesium	ppm	<1	0	<1	2
Zinc	ppm	0	0	6	4
Phosphorus	ppm	193	208	187	280
Barium	ppm	0	0	0	0
Boron	ppm	101	75	92	97

Depot: VOLV00142
Unique No: 10615350
Signed: Wes Davis
Report Date: 22 Aug 2023

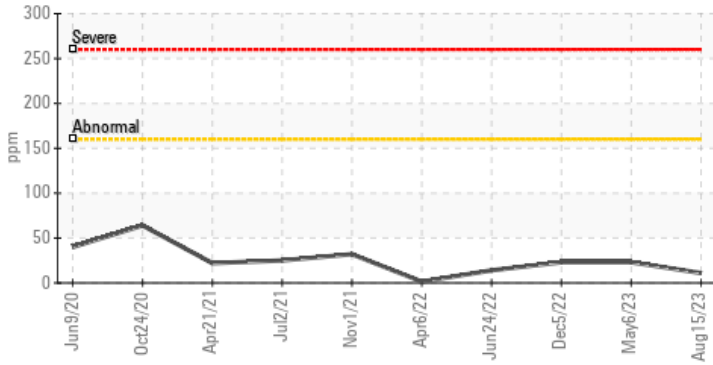


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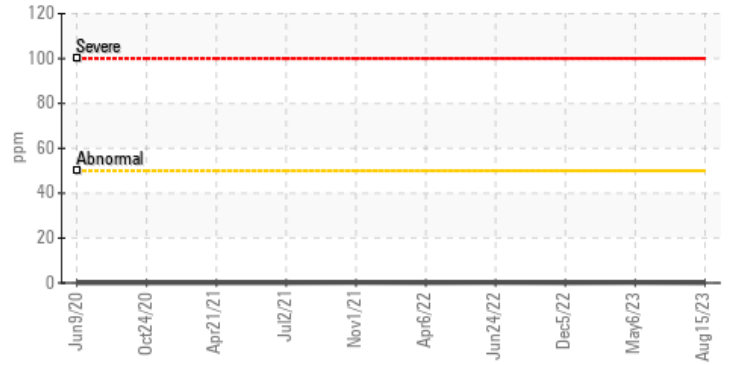


GRAPHS

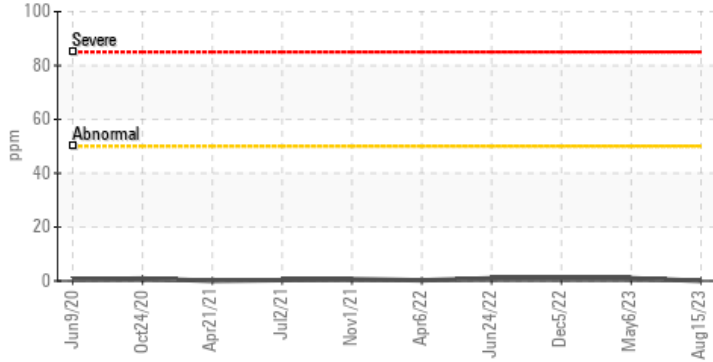
Iron (ppm)



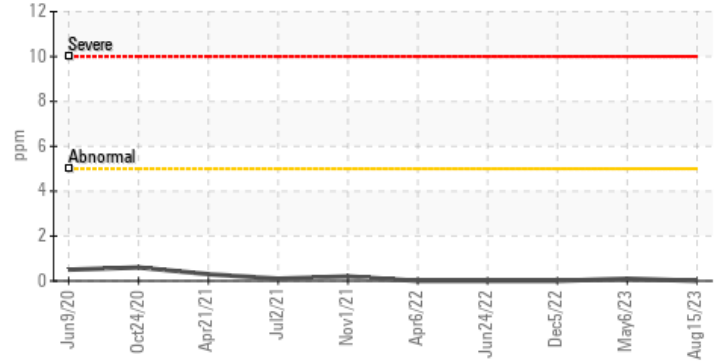
Lead (ppm)



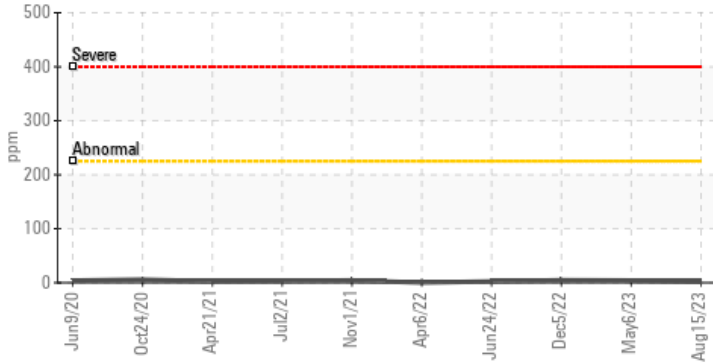
Aluminum (ppm)



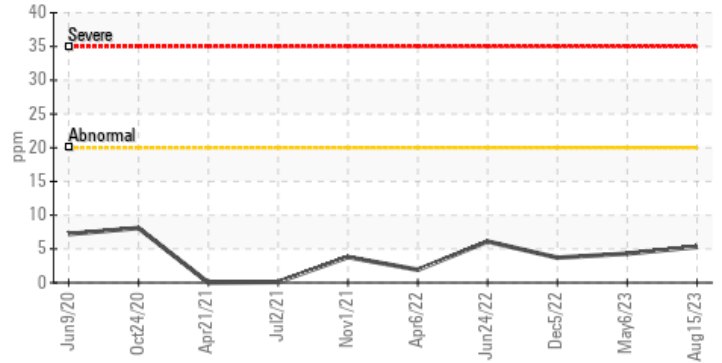
Chromium (ppm)



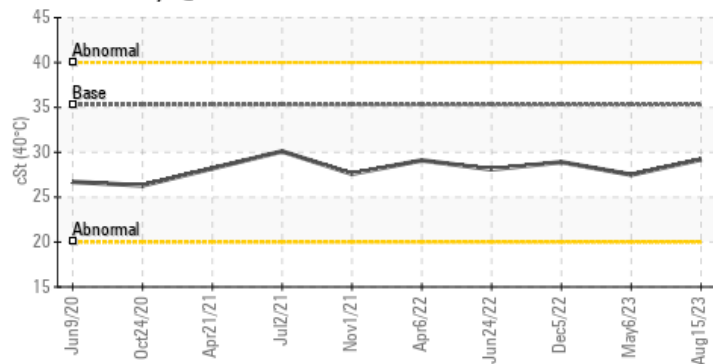
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

