



CONSTRUCTION EQUIPMENT

SWA303245-20 VOLVO L110H 631591 - TRANSMISSION (AUTO)



Sample No: VCP407102
Oil Type: VOLVO AT 102
Job No: SWA303245-20



SAMPLE INFORMATION

Sample Number	VCP407102	VCP409638	VCP374234	VCP301600
Sample Date	28 Jul 2023	27 Feb 2023	06 Jun 2022	21 Feb 2022
Machine Hours	7541	6936	5936	5432
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

DENALI WE CARE

400 TORNE RD
HILLBURN, NY
US 10931
Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	28.1	27.8	27.3	27.4
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T:
F:



CONTAMINATION

Silicon	ppm	8	8	6	5
Sodium	ppm	0	2	2	4
Potassium	ppm	1	0	1	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 fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	81	67	110	93
Copper	ppm	6	5	5	4
Lead	ppm	<1	0	0	0
Tin	ppm	0	0	<1	<1
Aluminum	ppm	10	8	7	6
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	2	1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	2
Manganese	ppm	4	4	4	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	154	135	107	112
Magnesium	ppm	20	15	5	4
Zinc	ppm	56	37	25	19
Phosphorus	ppm	200	192	180	198
Barium	ppm	0	0	0	0
Boron	ppm	83	72	86	73

Depot: DENHIL
Unique No: 10617713
Signed: Wes Davis
Report Date: 24 Aug 2023

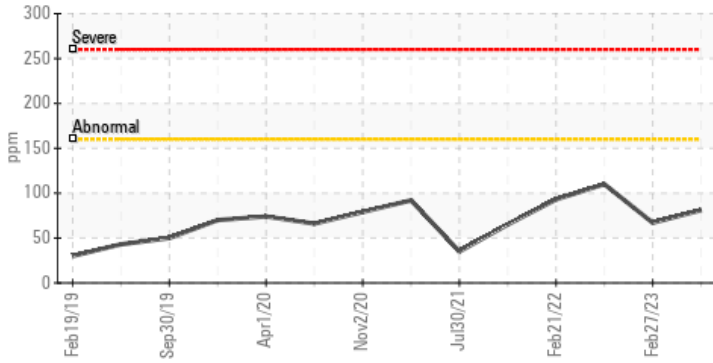


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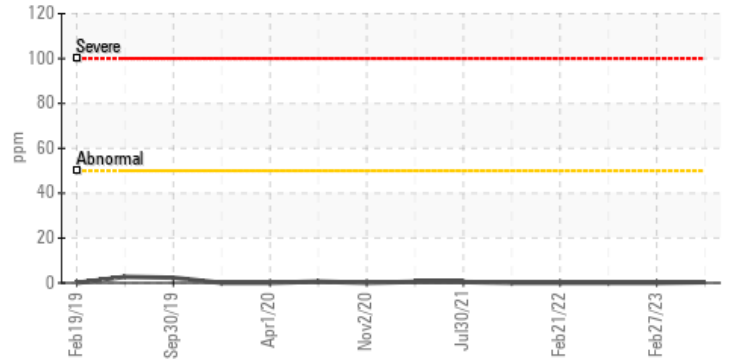


GRAPHS

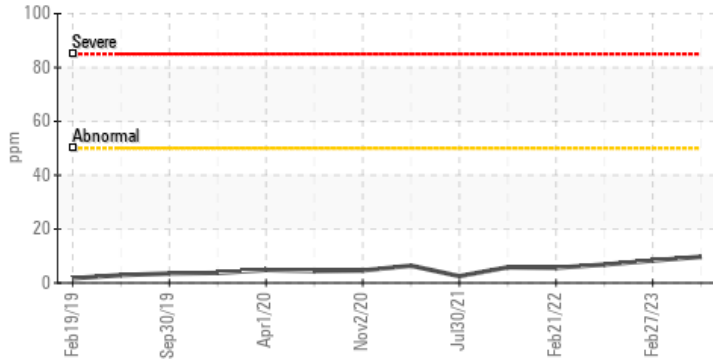
Iron (ppm)



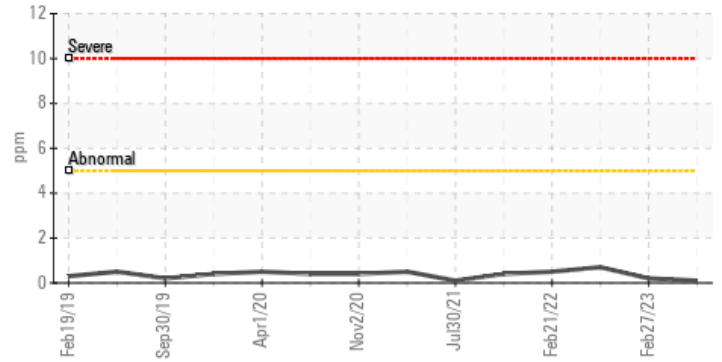
Lead (ppm)



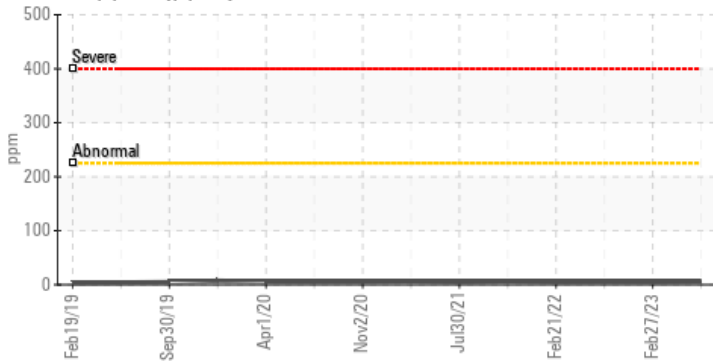
Aluminum (ppm)



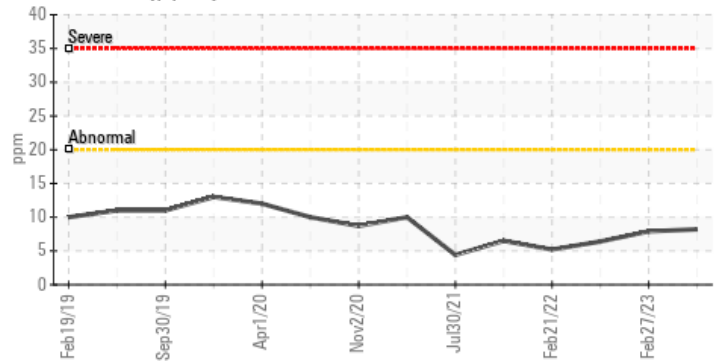
Chromium (ppm)



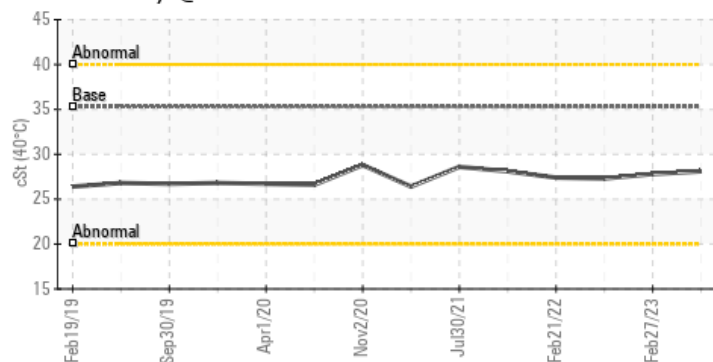
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

