



CONSTRUCTION EQUIPMENT

UPAP-ORLANDO 9469 617406 VOLVO L90G 617406 - TRANSMISSION (AUTO)



Sample No: VCP438148
Oil Type: VOLVO AT 102
Job No: 9469



SAMPLE INFORMATION

Sample Number	VCP438148	VCP417708	DJJ0005263	VCP359972
Sample Date	08 Jan 2024	11 Jul 2023	02 Feb 2023	28 Dec 2022
Machine Hours	14951	14237	13814	13731
Oil Hours	0	0	0	0
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	28.0	28.3	28.3	27.6
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	2	3	3
Sodium	ppm	4	2	3	4
Potassium	ppm	<1	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	56	56	55	141
Copper	ppm	6	4	4	8
Lead	ppm	0	<1	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	<1	<1	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	<1	<1	<1	1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	2	2	5
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	68	79	75	73
Magnesium	ppm	0	0	2	4
Zinc	ppm	24	33	33	62
Phosphorus	ppm	182	198	190	205
Barium	ppm	0	0	1	0
Boron	ppm	70	73	91	51

Depot: UPUORL
Unique No: 10829892
Signed: Wes Davis
Report Date: 12 Jan 2024

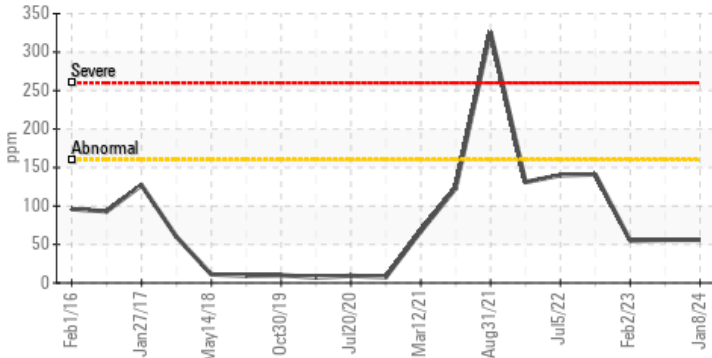


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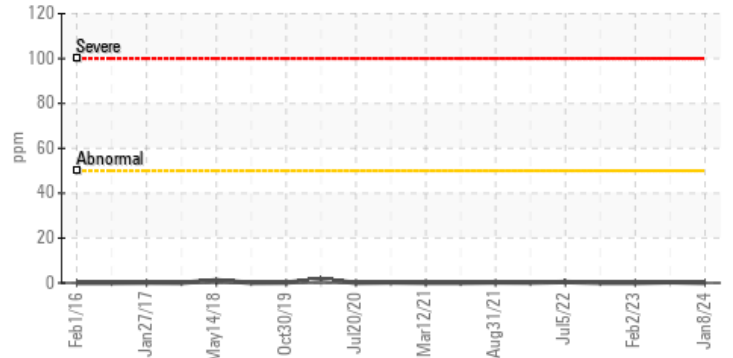


GRAPHS

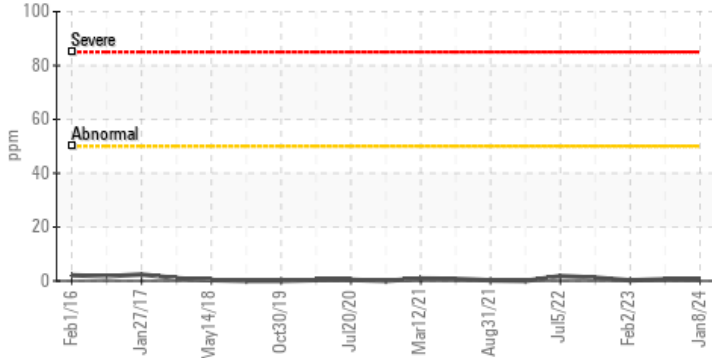
Iron (ppm)



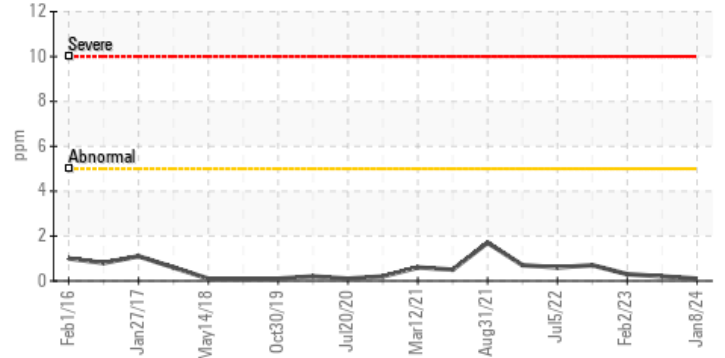
Lead (ppm)



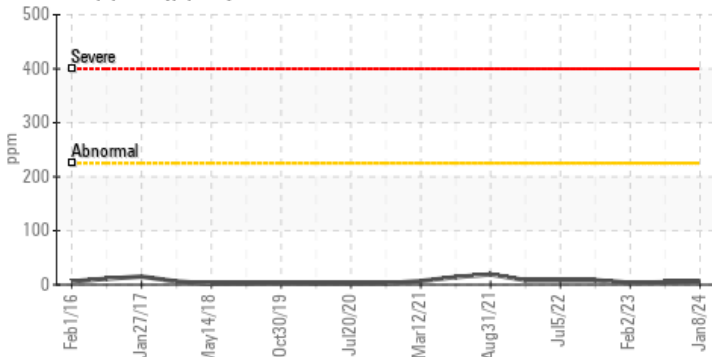
Aluminum (ppm)



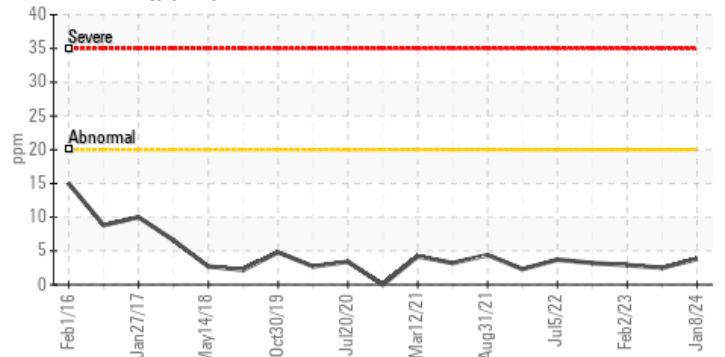
Chromium (ppm)



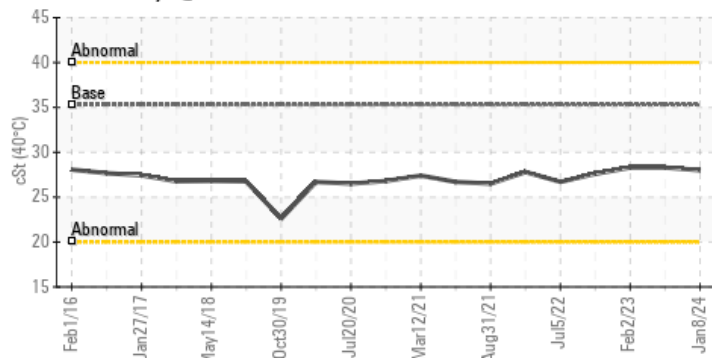
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

