



CONSTRUCTION EQUIPMENT

UPAP-ORLANDO 579902 VOLVO L90G 617406 - TRANSMISSION (AUTO)



Sample No: VCP417708
Oil Type: VOLVO AT 102
Job No: 579902



SAMPLE INFORMATION

Sample Number	VCP417708	DJJ0005263	VCP359972	VCP353587
Sample Date	11 Jul 2023	02 Feb 2023	28 Dec 2022	05 Jul 2022
Machine Hours	14237	13814	13731	13038
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	28.3	28.3	27.6	26.7
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CONTAMINATION

Silicon	ppm	2	3	3	4
Sodium	ppm	2	3	4	2
Potassium	ppm	1	<1	1	2

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	55	141	140
Copper	ppm	4	4	8	8
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	0	0	<1
Aluminum	ppm	<1	<1	1	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	<1	1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	5	5
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	79	75	73	71
Magnesium	ppm	0	2	4	3
Zinc	ppm	33	33	62	67
Phosphorus	ppm	198	190	205	167
Barium	ppm	0	1	0	0
Boron	ppm	73	91	51	66

Depot: UPUORL
Unique No: 10560399
Signed: Wes Davis
Report Date: 17 Jul 2023

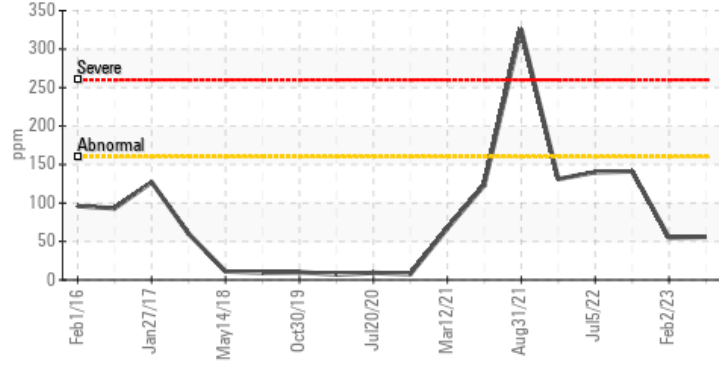


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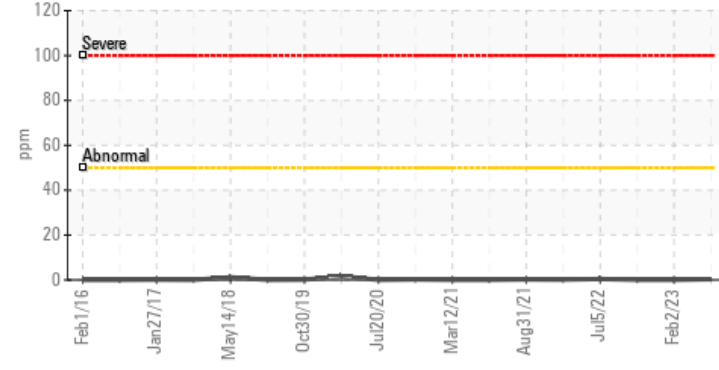


GRAPHS

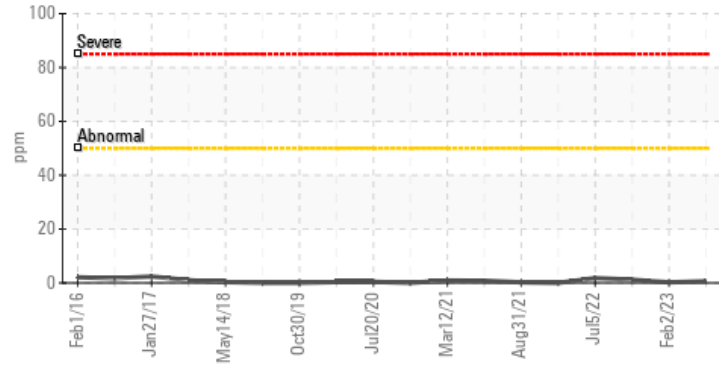
Iron (ppm)



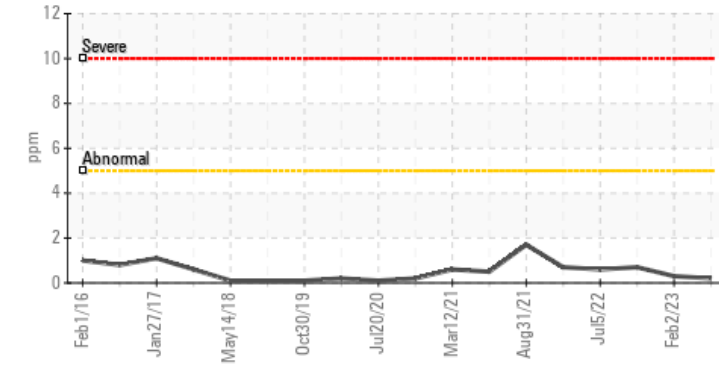
Lead (ppm)



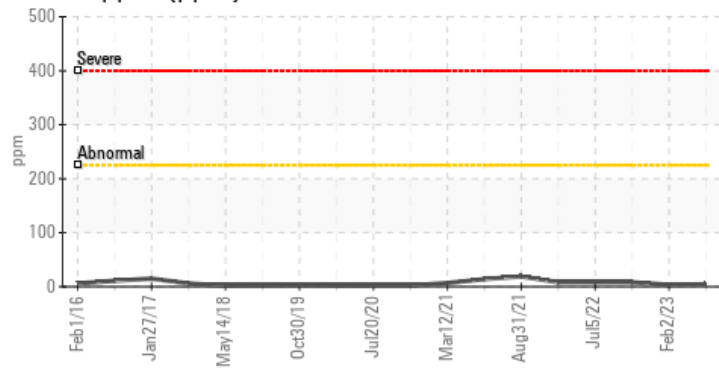
Aluminum (ppm)



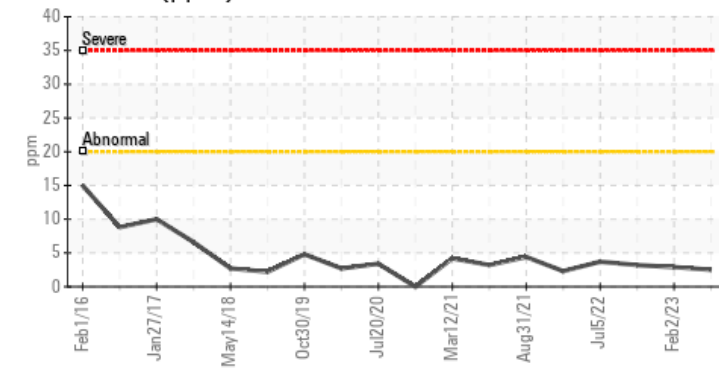
Chromium (ppm)



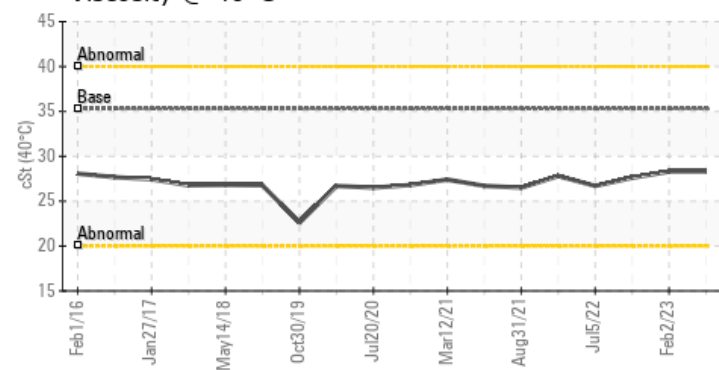
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

