



CONSTRUCTION EQUIPMENT

VOLVO EC200EL 314968 - TRANSMISSION (AUTO)



Sample No: VCP449079
Oil Type: VOLVO AT 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP449079	VCP386238	VCP340272	VCP298876
Sample Date	02 Feb 2024	30 Nov 2022	29 Oct 2021	17 Mar 2021
Machine Hours	13818	13003	12669	12098
Oil Hours	0	1500	1500	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	ABNORMAL	NORMAL	ATTENTION

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: PM Services
PMServices@ripaconstruction.com
T:
F:



OIL CONDITION

Visc @ 40°C	cSt	28.1	27.9	28.1	26.8
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	7	4	5	<1
Sodium	ppm	4	4	0	1
Potassium	ppm	2	2	<1	<1

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of visible silt present in the sample. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	26	18	20	16
Copper	ppm	17	21	22	21
Lead	ppm	0	1	<1	0
Tin	ppm	1	1	1	1
Aluminum	ppm	9	7	8	9
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	<1	2	1	1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	3	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	91	87	89	87
Magnesium	ppm	3	2	1	1
Zinc	ppm	36	19	29	3
Phosphorus	ppm	182	190	182	165
Barium	ppm	0	0	0	0
Boron	ppm	61	69	70	68

Depot: RIPTAM
Unique No: 10996246
Signed: Don Baldrige
Report Date: 29 Apr 2024

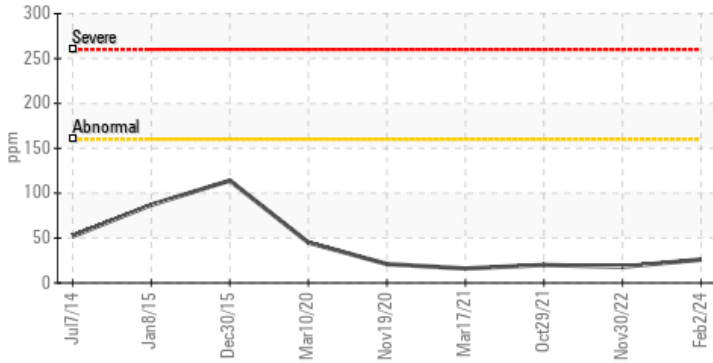


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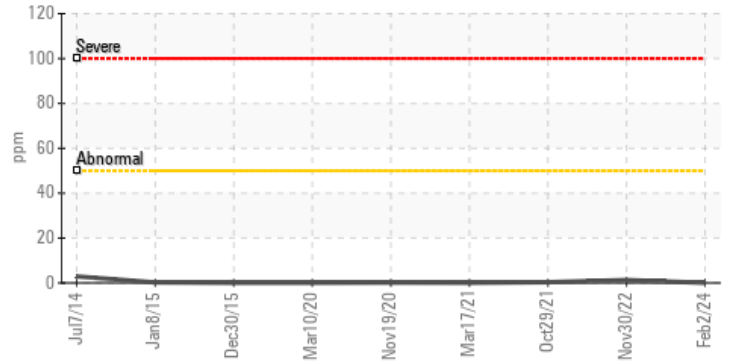


GRAPHS

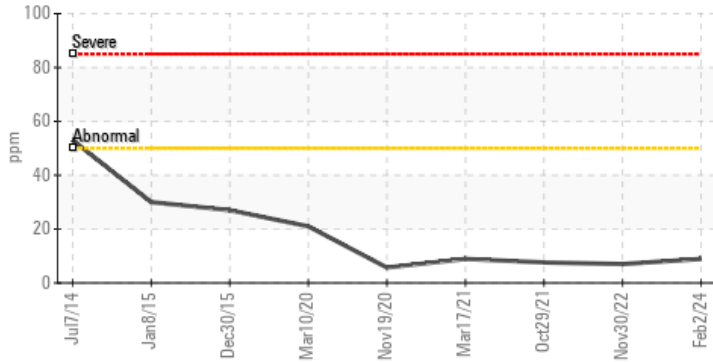
Iron (ppm)



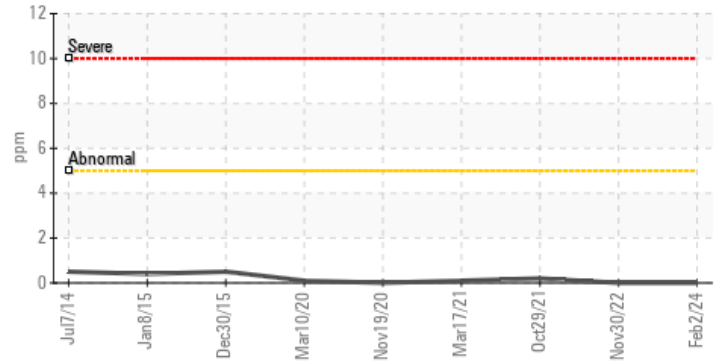
Lead (ppm)



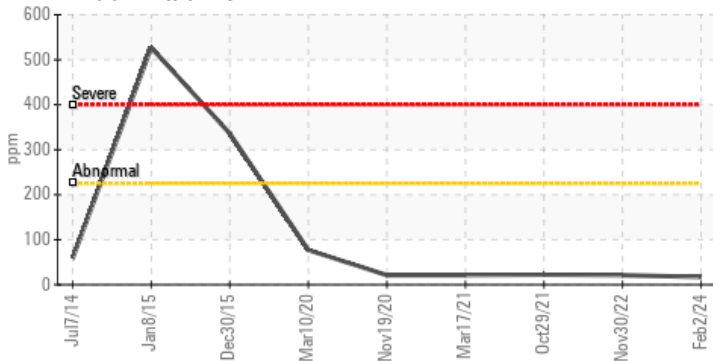
Aluminum (ppm)



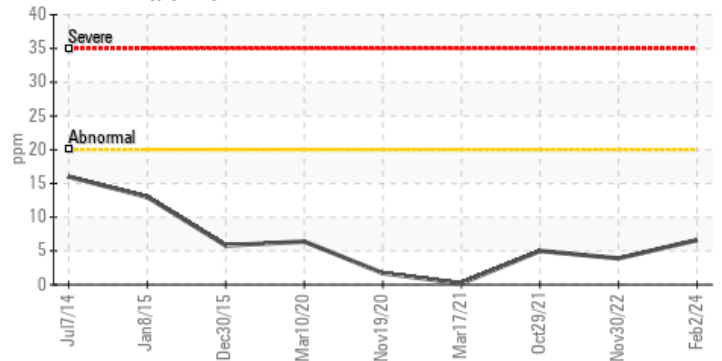
Chromium (ppm)



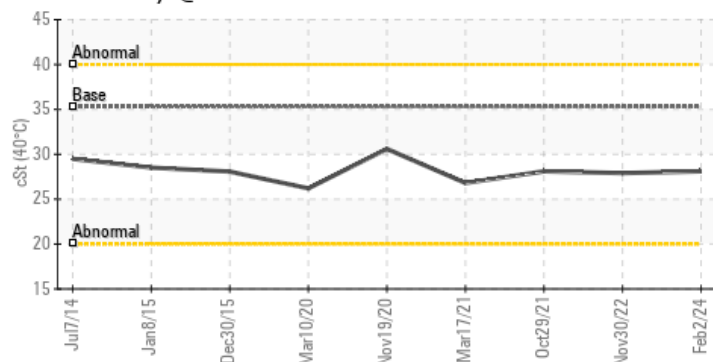
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

