



CONSTRUCTION EQUIPMENT

VOLVO L90H 624404 - REAR AXLE



Sample No: VCP424092
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP424092	VCP347202	VCP310189	VCP308747
Sample Date	15 Jun 2023	07 Dec 2021	21 Jul 2021	06 May 2021
Machine Hours	0	12261	10674	9836
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	N/A
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

ALTA EQUIPMENT
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 SYRACUSE, NY
 US 13206
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 F: (315)434-9471

OIL CONDITION

Visc @ 40°C	cSt	41.6	40.3	52.7	40.4
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CONTAMINATION

Silicon	ppm	12	7	20	8
Sodium	ppm	3	5	4	7
Potassium	ppm	0	<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 oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	23	13	46	14
Copper	ppm	5	11	10	5
Lead	ppm	<1	<1	<1	<1
Tin	ppm	<1	1	1	1
Aluminum	ppm	<1	<1	1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	<1	<1

ADDITIVES

Calcium	ppm	4137	3504	3915	4054
Magnesium	ppm	13	10	11	14
Zinc	ppm	1659	1481	1542	1576
Phosphorus	ppm	1313	1288	1229	1313
Barium	ppm	0	0	0	0
Boron	ppm	143	115	244	135

Depot: VOLVO0142
Unique No: 10522355
Signed: Wes Davis
Report Date: 20 Jun 2023

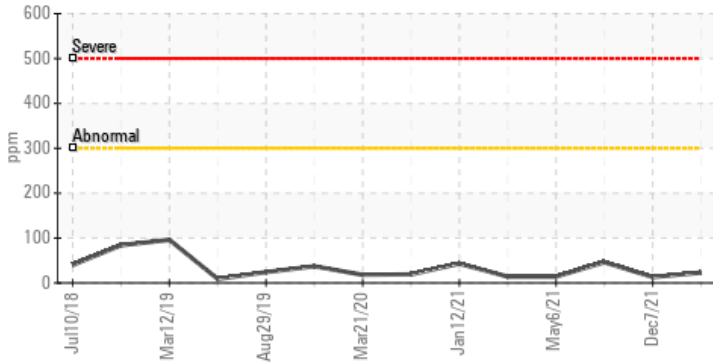


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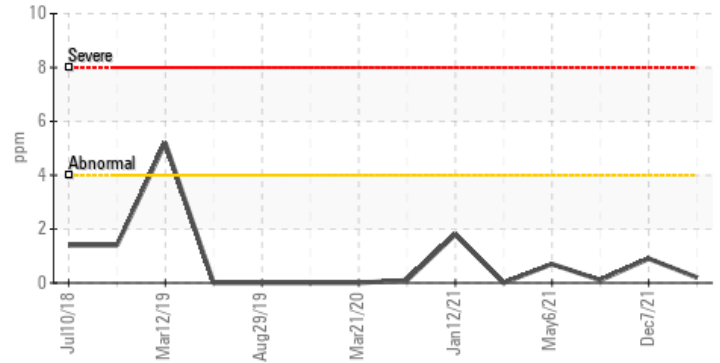


GRAPHS

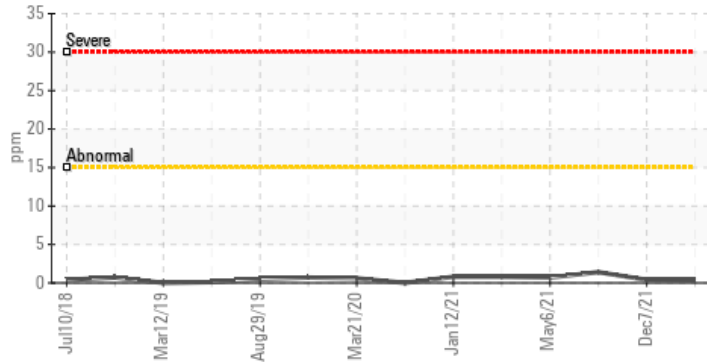
Iron (ppm)



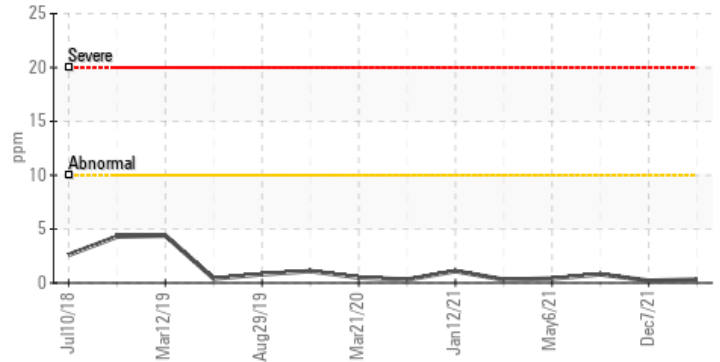
Lead (ppm)



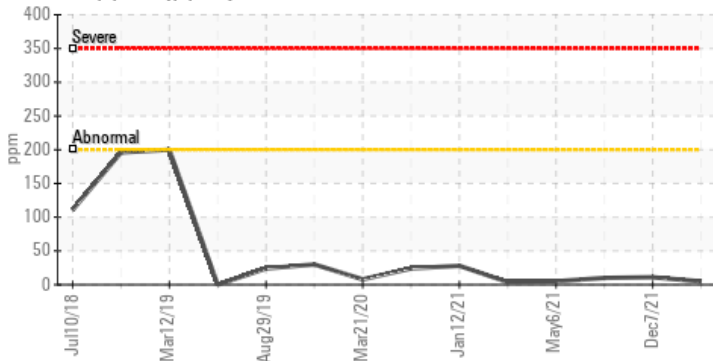
Aluminum (ppm)



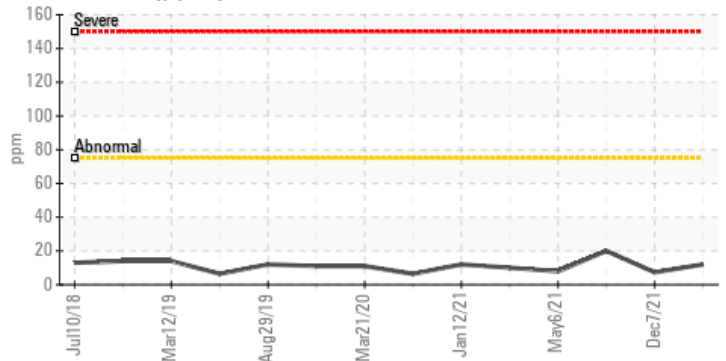
Chromium (ppm)



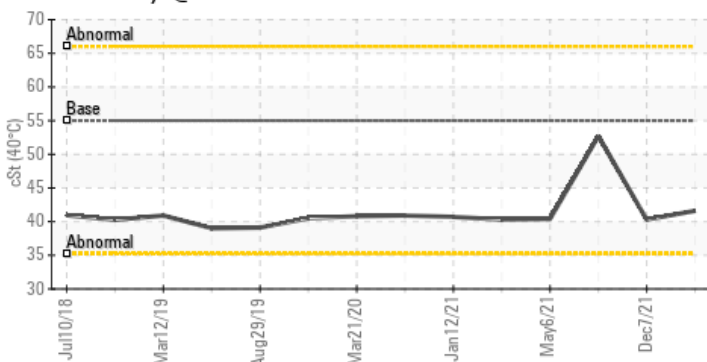
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

