



CONSTRUCTION EQUIPMENT

VOLVO L90H 5624326 - REAR AXLE



Sample No: VCP454623
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP454623	VCP437210	VCP416428	VCP419350
Sample Date	14 Jul 2024	21 Mar 2024	08 Sep 2023	24 May 2023
Machine Hours	9186	0	7531	7068
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	N/A
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

CITY CARTING
 221 OLD GATE LN
 MILFORD, CT
 US 06460
 Contact: TAVINS BANKS
 tavins@citycart.net
 T: (203)223-3885
 F:



OIL CONDITION

Visc @ 40°C	cSt	42.6	42.8	43.4	40.8
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	12	14	12	12
Sodium	ppm	0	1	2	0
Potassium	ppm	2	0	2	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 oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	38	80	17	41
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	3	<1	2	<1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	<1	<1	<1	1
Nickel	ppm	0	0	<1	0
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	4251	4194	4121	4191
Magnesium	ppm	16	16	18	16
Zinc	ppm	1643	1619	1724	1627
Phosphorus	ppm	1283	1309	1340	1310
Barium	ppm	<1	0	0	0
Boron	ppm	138	138	127	136

Depot: CITMILCON
Unique No: 11124077
Signed: Sean Felton
Report Date: 15 Jul 2024

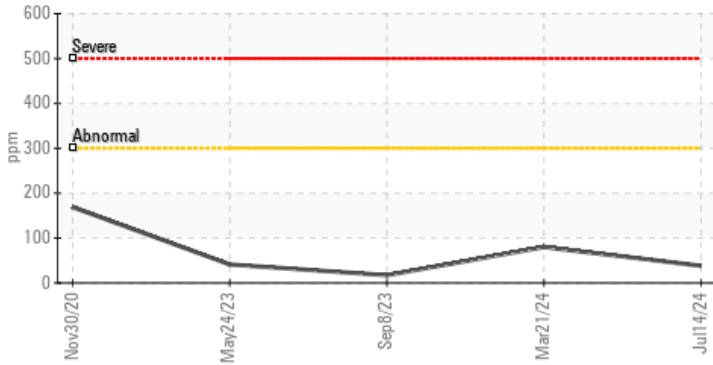


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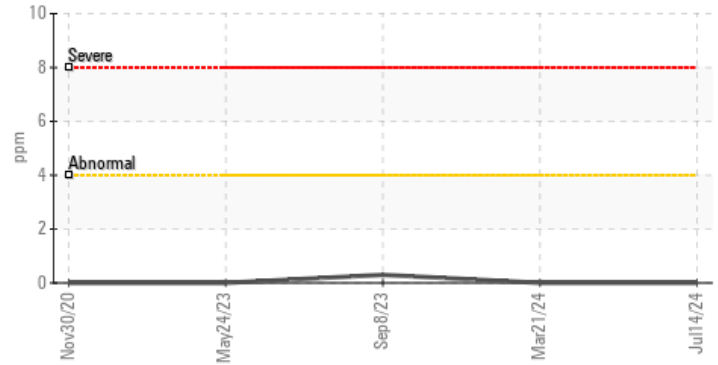


GRAPHS

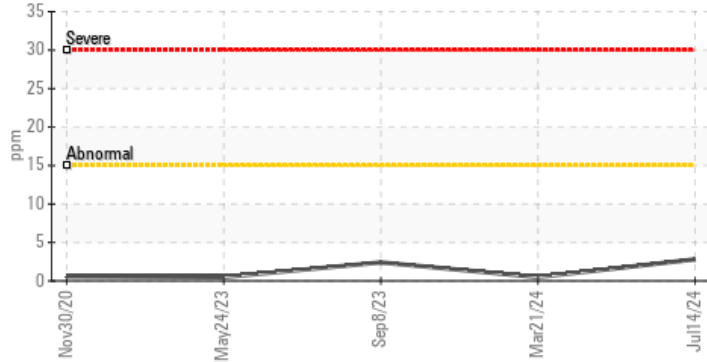
Iron (ppm)



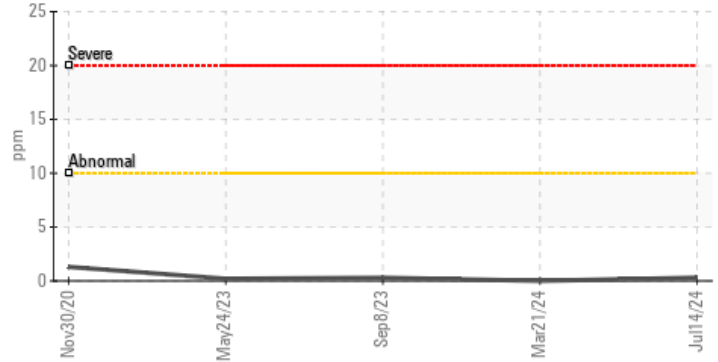
Lead (ppm)



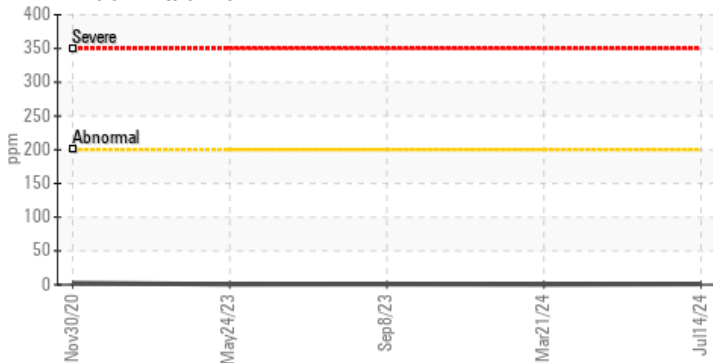
Aluminum (ppm)



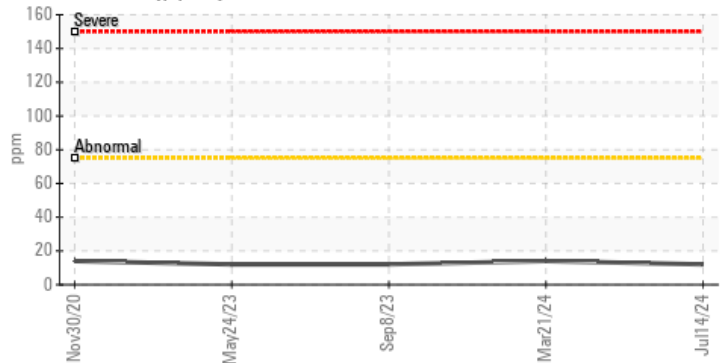
Chromium (ppm)



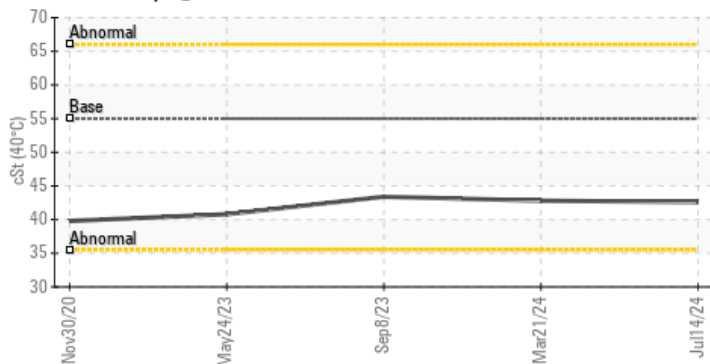
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

