



CONSTRUCTION EQUIPMENT

534598 GEN ASPHALT VOLVO L90H 623733 - REAR AXLE



Sample No: VCP451337
Oil Type: VOLVO WB 102
Job No: 534598 GEN ASPHALT



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: KENNY HANEY
 khaney@flaglerce.com
 T: (813)630-0077
 F: (813)630-2233



SAMPLE INFORMATION

Sample Number	VCP451337	VCP438941	VCP440990	VCP425451
Sample Date	15 Apr 2024	22 Jan 2024	12 Oct 2023	24 Jun 2023
Machine Hours	12275	7807	7240	6673
Oil Hours	4000	0	0	0
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	ATTENTION	ABNORMAL



OIL CONDITION

Visc @ 40°C	cSt	47.3	41.6	41.6	39.9
		■	■	●	■



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	■ 14	■ 15	■ 17	■ 19
Sodium	ppm	■ 4	■ 1	■ 3	■ 7
Potassium	ppm	■ 3	■ 1	■ 0	■ 3



WEAR METALS

Iron	ppm	■ 186	■ 87	■ 76	■ 210
Copper	ppm	■ 33	■ 23	■ 22	▲ 128
Lead	ppm	■ <1	■ <1	■ 0	■ <1
Tin	ppm	■ 4	■ 3	■ 2	■ 16
Aluminum	ppm	■ 2	■ 2	■ 2	■ 3
Chromium	ppm	■ 2	■ 2	■ 2	■ 7
Molybdenum	ppm	■ 4	■ 6	■ 6	■ 5
Nickel	ppm	■ 1	■ <1	■ 0	■ 2
Titanium	ppm	<1	0	0	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	■ 4	■ 3	■ 3	■ 14
Vanadium	ppm	<1	0	0	<1



ADDITIVES

Calcium	ppm	■ 3124	■ 3766	● 3498	■ 3993
Magnesium	ppm	■ 27	■ 43	■ 51	■ 15
Zinc	ppm	■ 1321	■ 1598	● 1408	■ 1697
Phosphorus	ppm	■ 1456	■ 1281	■ 1160	■ 1361
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	■ 147	■ 152	■ 125	■ 155

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.

Depot: VOLVO0093
Unique No: 11036599
Signed: Wes Davis
Report Date: 22 May 2024

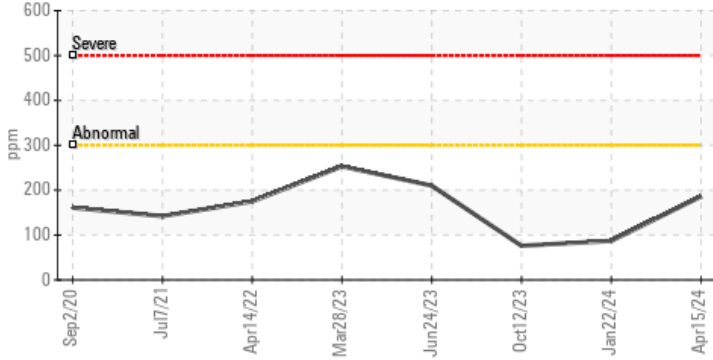


CONSTRUCTION EQUIPMENT

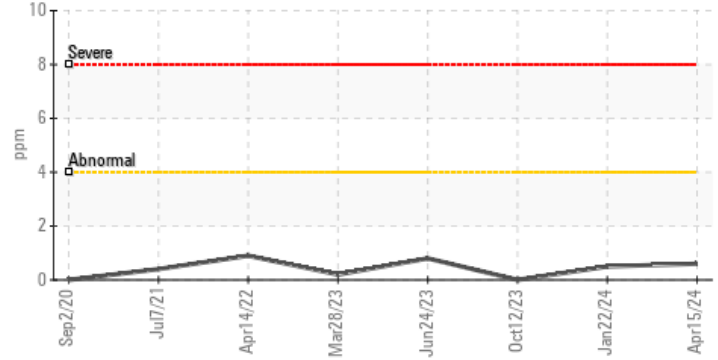


GRAPHS

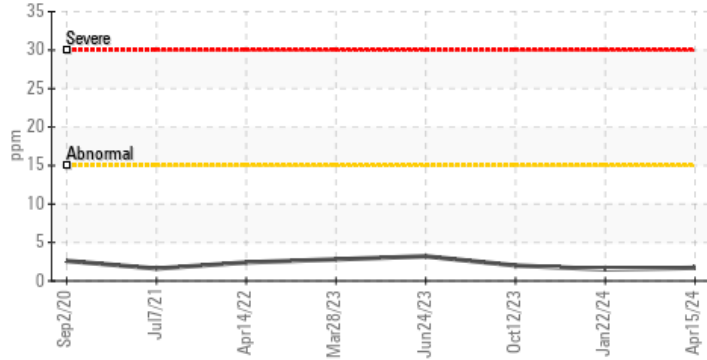
Iron (ppm)



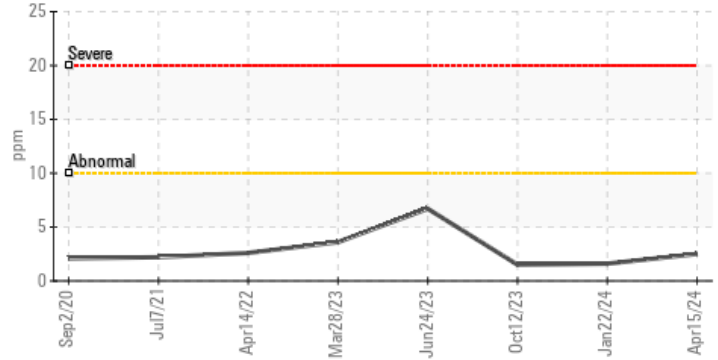
Lead (ppm)



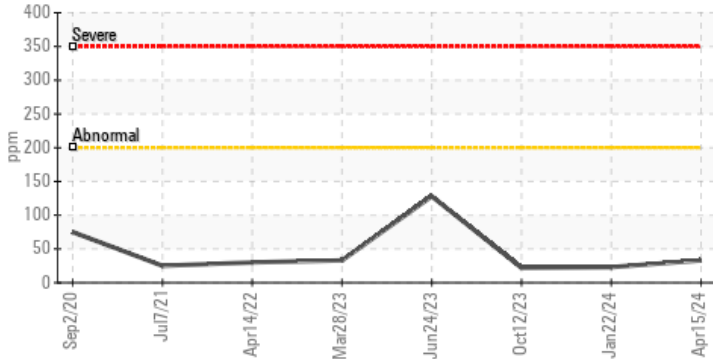
Aluminum (ppm)



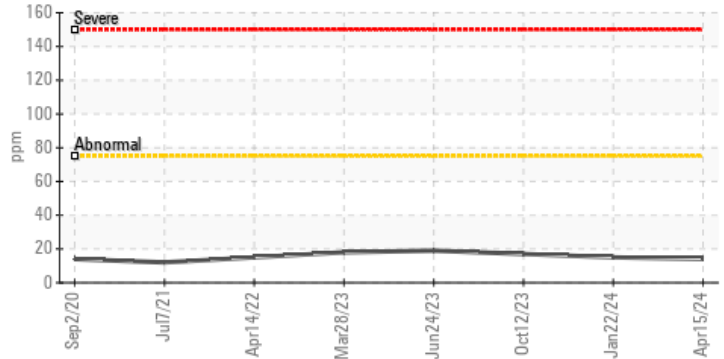
Chromium (ppm)



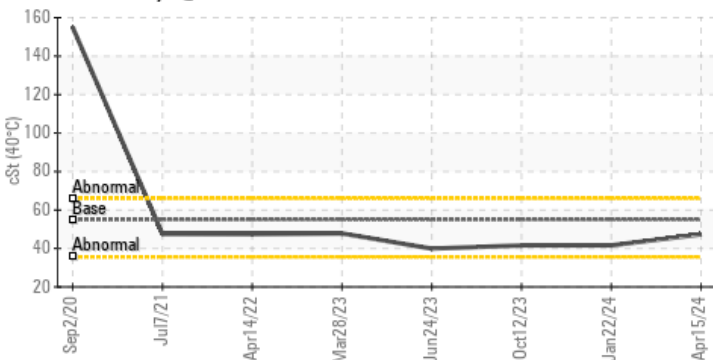
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

