



CONSTRUCTION EQUIPMENT

X59203 VOLVO L90H 624610 - REAR AXLE



Sample No: VCP437147
Oil Type: VOLVO WB 101
Job No: X59203



SAMPLE INFORMATION

Sample Number	VCP437147	VCP379058	---	---
Sample Date	07 Feb 2024	24 Jun 2022	---	---
Machine Hours	8015	5210	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	SEVERE	---	---

SCOTT EQUIPMENT COMPANY LLC - Saint Rose
 PO BOX 997
 SAINT ROSE, LA
 US 70087
 Contact: DANA FOSHEE
 dfoshee@scottcompanies.com
 T: (504)461-0961
 F: (504)461-0970



OIL CONDITION

Visc @ 40°C	cSt	42.1	39.0	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	10	14	---	---
Sodium	ppm	2	8	---	---
Potassium	ppm	0	0	---	---

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	33	172	---	---
Copper	ppm	53	415	---	---
Lead	ppm	0	6	---	---
Tin	ppm	3	40	---	---
Aluminum	ppm	0	2	---	---
Chromium	ppm	0	5	---	---
Molybdenum	ppm	0	4	---	---
Nickel	ppm	0	3	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	1	10	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	3721	3535	---	---
Magnesium	ppm	10	10	---	---
Zinc	ppm	1637	1488	---	---
Phosphorus	ppm	1266	1262	---	---
Barium	ppm	0	0	---	---
Boron	ppm	140	134	---	---

Depot: SCOSAI
Unique No: 10873738
Signed: Wes Davis
Report Date: 13 Feb 2024

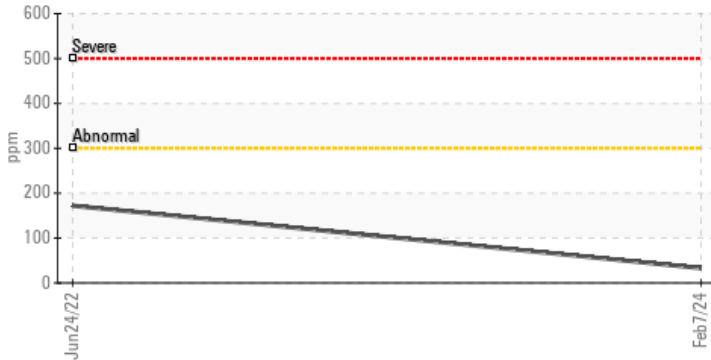


CONSTRUCTION EQUIPMENT

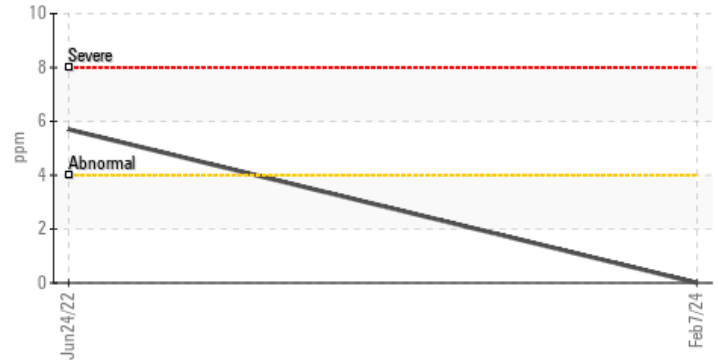


GRAPHS

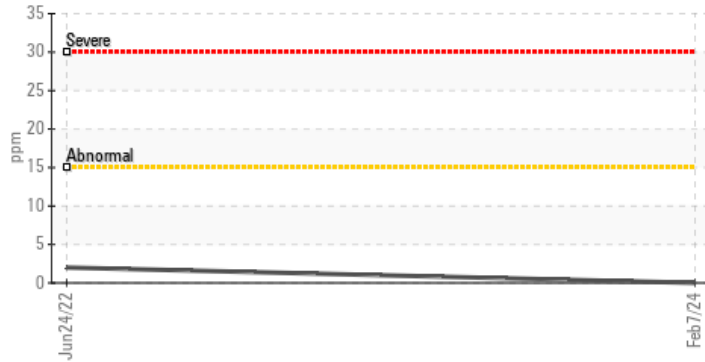
Iron (ppm)



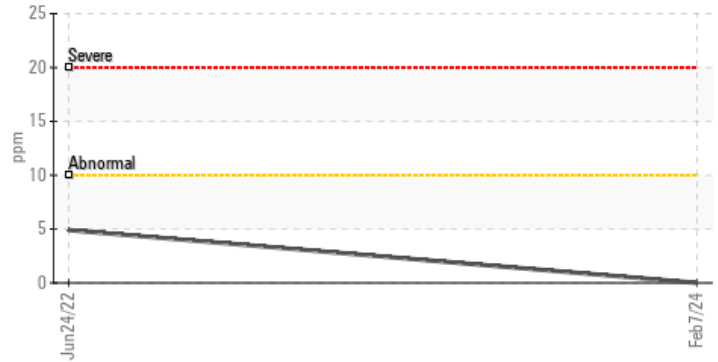
Lead (ppm)



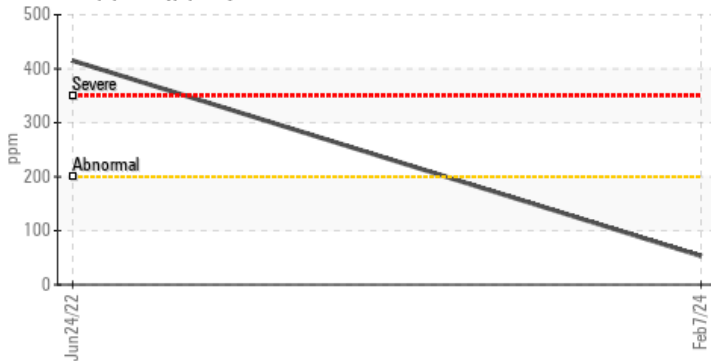
Aluminum (ppm)



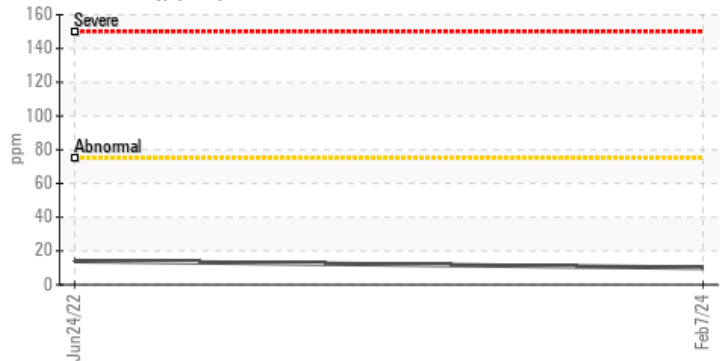
Chromium (ppm)



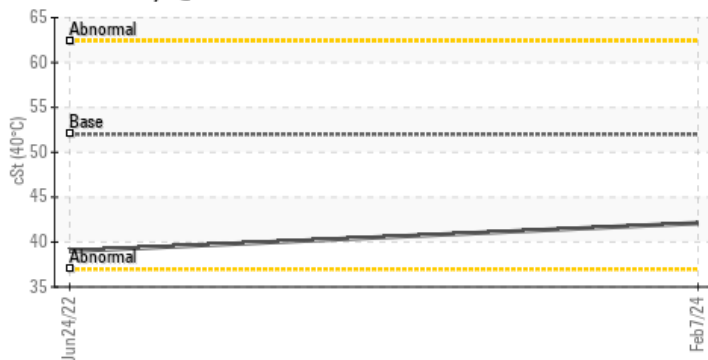
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

