



CONSTRUCTION EQUIPMENT

X59203 VOLVO L90H 624610 - FRONT AXLE



Sample No: VCP437154
Oil Type: VOLVO WB 101
Job No: X59203



SAMPLE INFORMATION

Sample Number	VCP437154	VCP379055	---	---
Sample Date	07 Feb 2024	24 Jun 2022	---	---
Machine Hours	8015	5210	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	41.5	39.0	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	10	11	---	---
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	46	157	---	---
Copper	ppm	0	6	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	0	1	---	---
Chromium	ppm	<1	4	---	---
Molybdenum	ppm	1	11	---	---
Nickel	ppm	0	2	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	3	11	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	3991	3609	---	---
Magnesium	ppm	12	14	---	---
Zinc	ppm	1736	1521	---	---
Phosphorus	ppm	1260	1247	---	---
Barium	ppm	0	0	---	---
Boron	ppm	145	135	---	---

Depot: SCOSAI
Unique No: 10873739
Signed: Wes Davis
Report Date: 13 Feb 2024

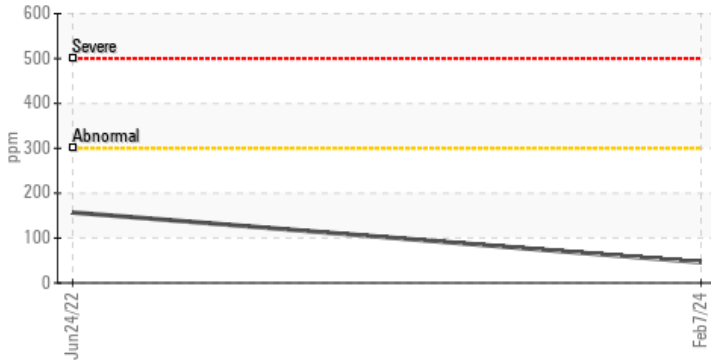


CONSTRUCTION EQUIPMENT

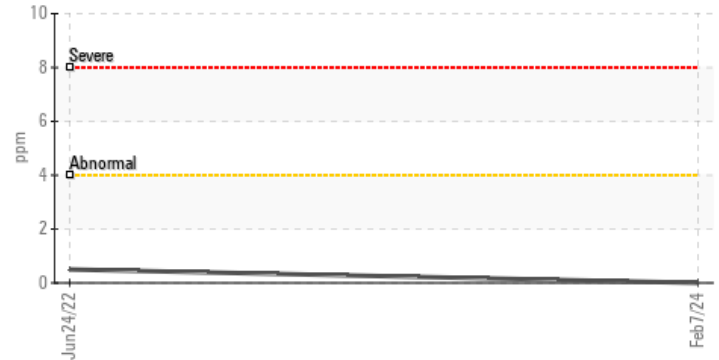


GRAPHS

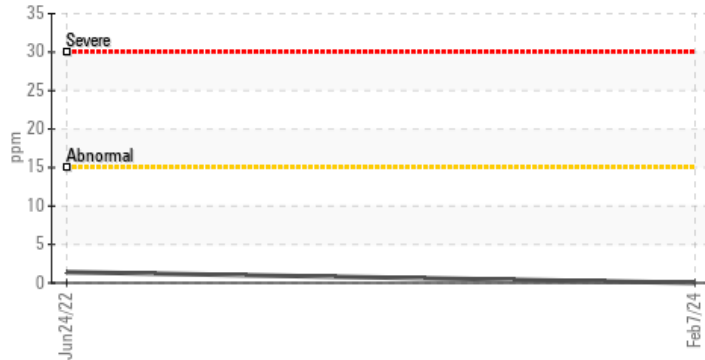
Iron (ppm)



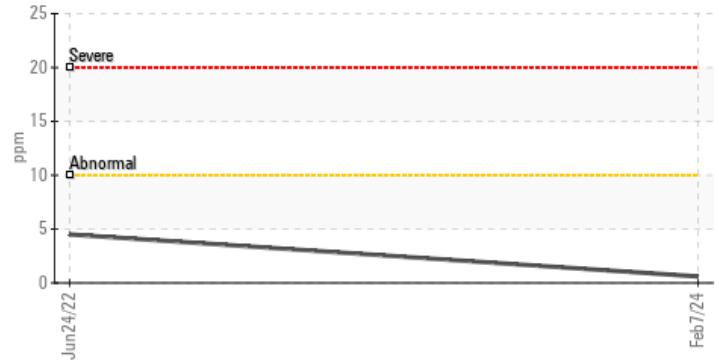
Lead (ppm)



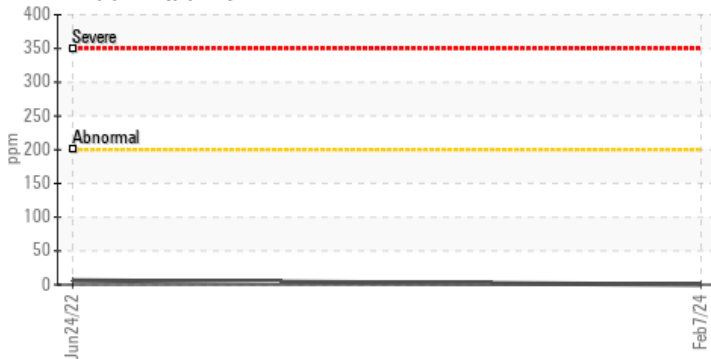
Aluminum (ppm)



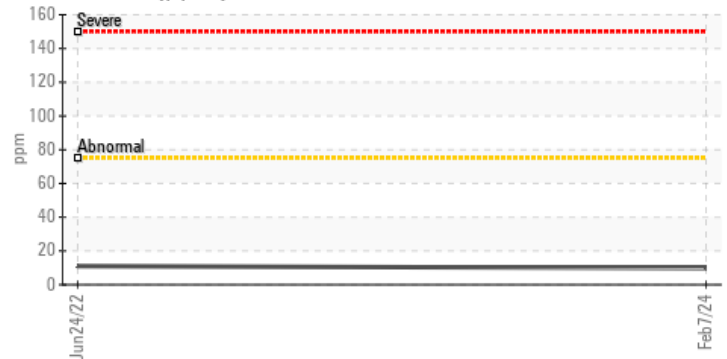
Chromium (ppm)



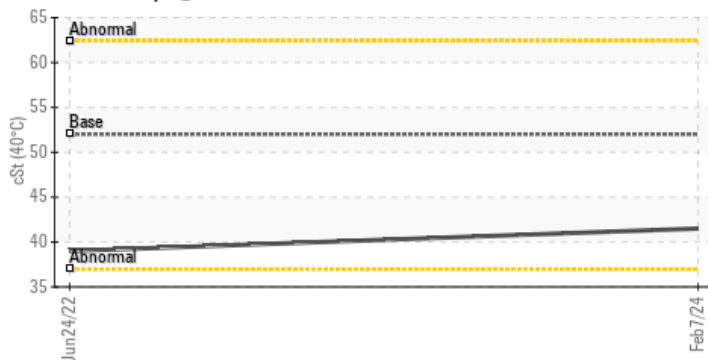
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

