



CONSTRUCTION EQUIPMENT

VOLVO L90H 625035 - REAR AXLE



Sample No: VCP444262
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP444262	VCP381436	---	---
Sample Date	15 Feb 2024	30 Jan 2023	---	---
Machine Hours	3984	3010	---	---
Oil Hours	0	1000	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: PM Services
 PMServices@ripaconstruction.com
 T:
 F:

OIL CONDITION

Visc @ 40°C	cSt	48.0	47.6	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	22	21	---	---
Sodium	ppm	3	3	---	---
Potassium	ppm	<1	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	77	62	---	---
Copper	ppm	11	<1	---	---
Lead	ppm	2	<1	---	---
Tin	ppm	2	<1	---	---
Aluminum	ppm	1	1	---	---
Chromium	ppm	<1	2	---	---
Molybdenum	ppm	<1	4	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	3	5	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	3728	3837	---	---
Magnesium	ppm	10	15	---	---
Zinc	ppm	1432	1485	---	---
Phosphorus	ppm	1220	1175	---	---
Barium	ppm	0	0	---	---
Boron	ppm	121	129	---	---

Depot: RIPTAM
Unique No: 10900831
Signed: Don Baldrige
Report Date: 29 Feb 2024



CONSTRUCTION EQUIPMENT



GRAPHS

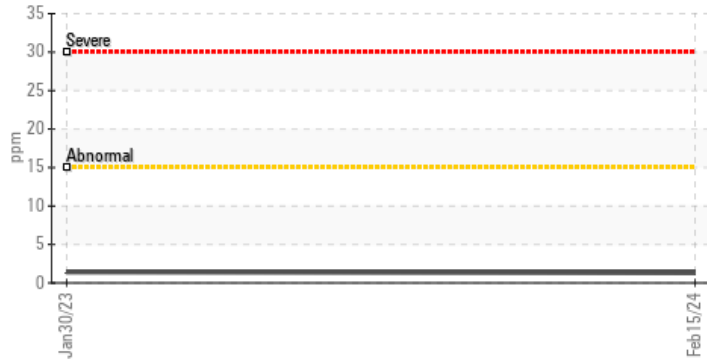
Iron (ppm)



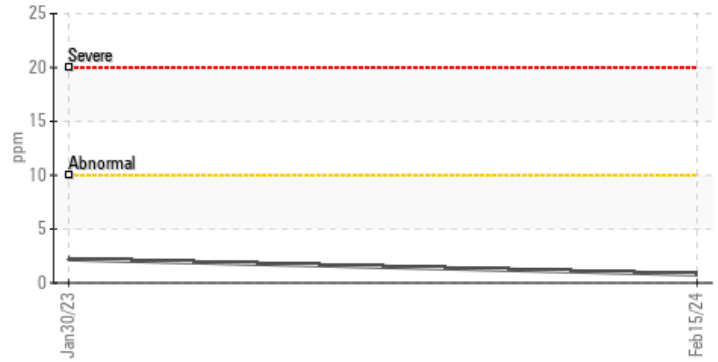
Lead (ppm)



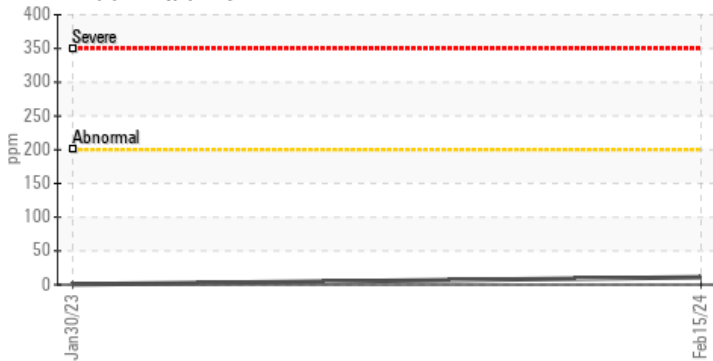
Aluminum (ppm)



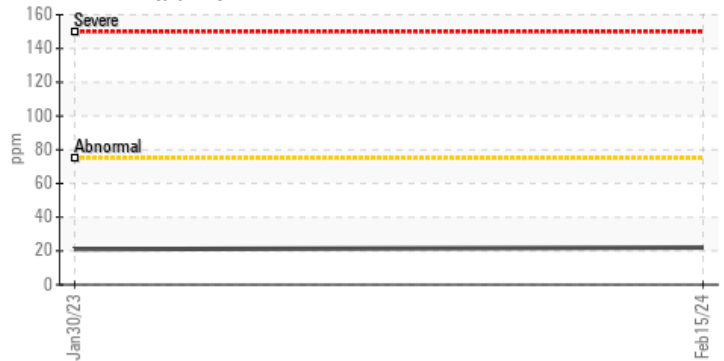
Chromium (ppm)



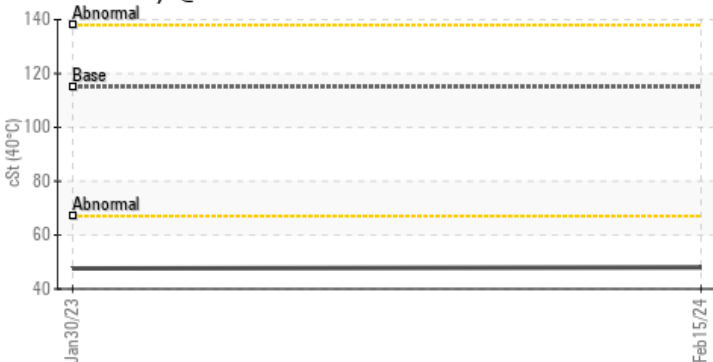
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

