



CONSTRUCTION EQUIPMENT

VOLVO L70H 625066 - DIESEL ENGINE



Sample No: VCP0007774
Oil Type: DIESEL ENGINE OIL SAE 40
Job No:



SAMPLE INFORMATION

Sample Number	VCP0007774	---	---	---
Sample Date	22 Jan 2024	---	---	---
Machine Hours	1037	---	---	---
Oil Hours	1037	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

ALTA EQUIPMENT COMPANY
 8750 PHILIPS HWY
 JACKSONVILLE, FL
 US 32256
 Contact: SHAWN NORTHCRAFT
 shawn.northcraft@altg.com
 T: (904)737-6000
 F: (904)737-1260



OIL CONDITION

Visc @ 100°C	cSt	█ 12.9	---	---	---
Base Number (BN)	mg KOH/g	█ 8.6	---	---	---
Oxidation (PA)	%	75	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.5	---	---	---
Nitration (PA)	%	73	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 22	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 0	---	---	---



WEAR METALS

Iron	ppm	█ 31	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 15	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ 51	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 4	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1476	---	---	---
Magnesium	ppm	█ 542	---	---	---
Zinc	ppm	█ 1139	---	---	---
Phosphorus	ppm	█ 978	---	---	---
Barium	ppm	█ 3	---	---	---
Boron	ppm	█ 110	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0092
Unique No: 10846885
Signed: Don Baldrige
Report Date: 26 Jan 2024

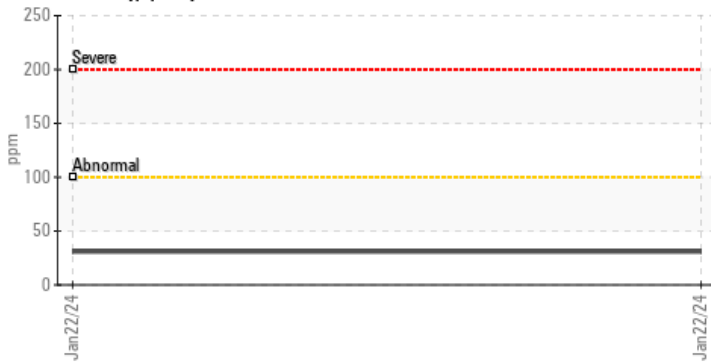


CONSTRUCTION EQUIPMENT



GRAPHS

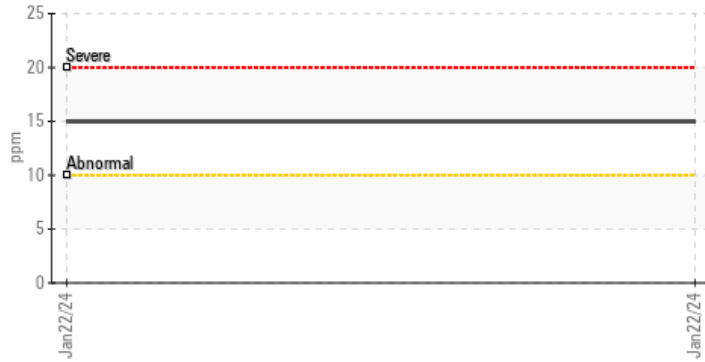
Iron (ppm)



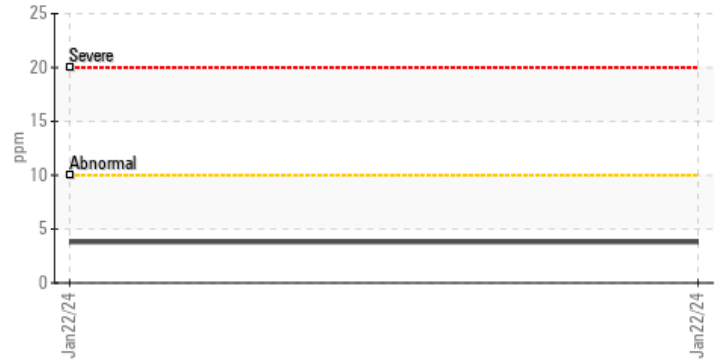
Lead (ppm)



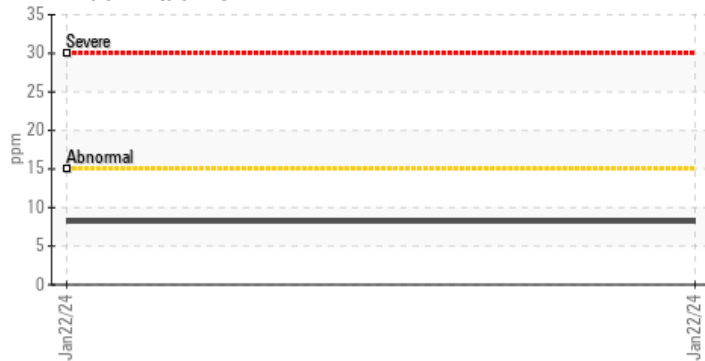
Aluminum (ppm)



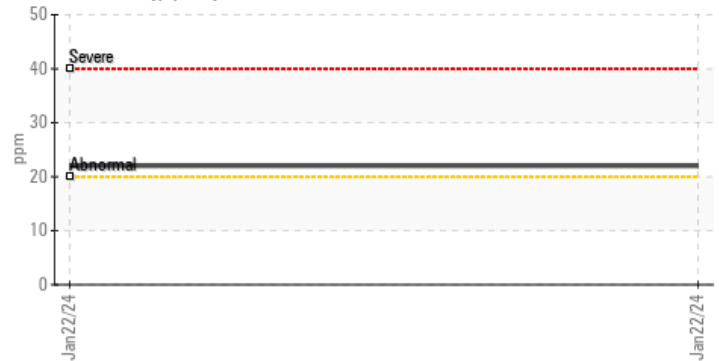
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

