



CONSTRUCTION EQUIPMENT

VOLVO L220ELR 314360 - RIGHT FINAL DRIVE



Sample No: VCP0008477

Oil Type: {unknown}

Job No:



SAMPLE INFORMATION

Sample Number	VCP0008477	---	---	---
Sample Date	27 Jun 2024	---	---	---
Machine Hours	1360	---	---	---
Oil Hours	1360	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

ALTA EQUIPMENT COMPANY

8750 PHILIPS HWY
JACKSONVILLE, FL
US 32256

Contact: TECHNICIAN ACCOUNT
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T:
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OIL CONDITION

Visc @ 40°C	cSt	■ 304	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 781	---	---	---
Sodium	ppm	■ 10	---	---	---
Potassium	ppm	■ 33	---	---	---



WEAR METALS

Iron	ppm	▲ 2580	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	● 121	---	---	---
Chromium	ppm	▲ 26	---	---	---
Molybdenum	ppm	2	---	---	---
Nickel	ppm	■ 13	---	---	---
Titanium	ppm	10	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	28	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	239	---	---	---
Magnesium	ppm	13	---	---	---
Zinc	ppm	21	---	---	---
Phosphorus	ppm	894	---	---	---
Barium	ppm	4	---	---	---
Boron	ppm	73	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Component wear metal level(s) high for break in. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.

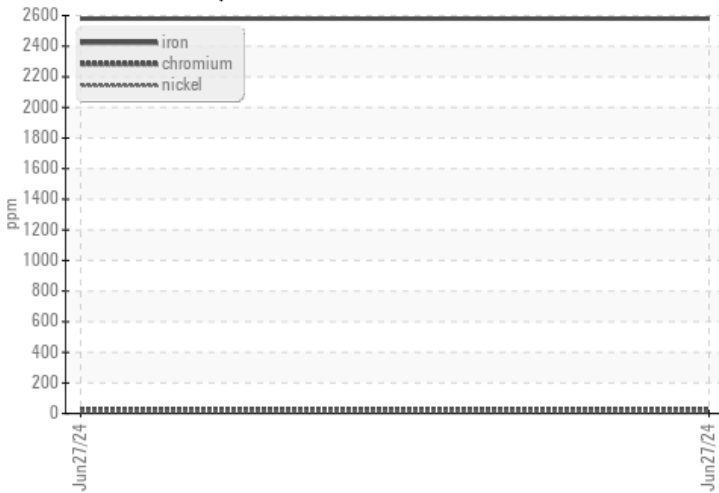
Depot: VOLVO0092
Unique No: 11111455
Signed: Don Baldrige
Report Date: 07 Jul 2024

Submitted By: TECHNICIAN ACCOUNT

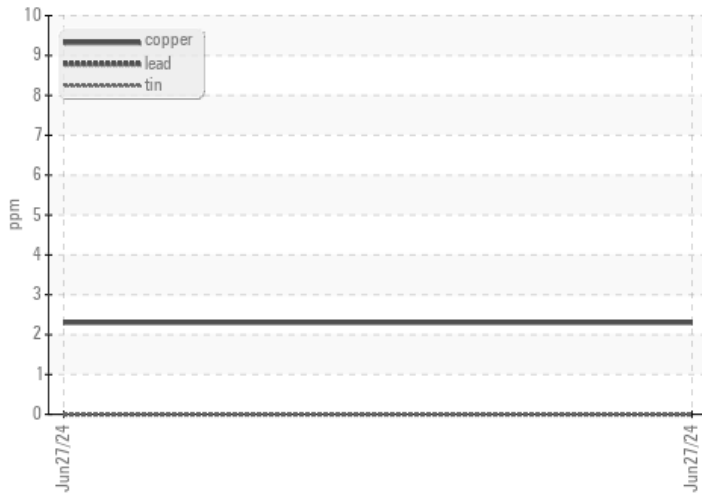


GRAPHS

▲ Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

