



CONSTRUCTION EQUIPMENT

VOLVO L220ELR 314360 - LEFT FINAL DRIVE



Sample No: VCP0008476

Oil Type: {unknown}

Job No:



SAMPLE INFORMATION

Sample Number	VCP0008476	---	---	---
Sample Date	27 Jun 2024	---	---	---
Machine Hours	1360	---	---	---
Oil Hours	1360	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT COMPANY

8750 PHILIPS HWY
JACKSONVILLE, FL
US 32256

Contact: TECHNICIAN ACCOUNT
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OIL CONDITION

Visc @ 40°C	cSt	■ 303	---	---	---
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CONTAMINATION

Water	%	■ 0.089	---	---	---
Silicon	ppm	▲ 264	---	---	---
Sodium	ppm	■ 7	---	---	---
Potassium	ppm	■ 20	---	---	---



WEAR METALS

Iron	ppm	▲ 1457	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	● 42	---	---	---
Chromium	ppm	▲ 14	---	---	---
Molybdenum	ppm	1	---	---	---
Nickel	ppm	■ 5	---	---	---
Titanium	ppm	3	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	16	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	72	---	---	---
Magnesium	ppm	5	---	---	---
Zinc	ppm	22	---	---	---
Phosphorus	ppm	955	---	---	---
Barium	ppm	3	---	---	---
Boron	ppm	78	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. Gear wear is indicated. All other metal levels are typical for a new component breaking in. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0092
Unique No: 11111463
Signed: Don Baldrige
Report Date: 07 Jul 2024

Submitted By: TECHNICIAN ACCOUNT

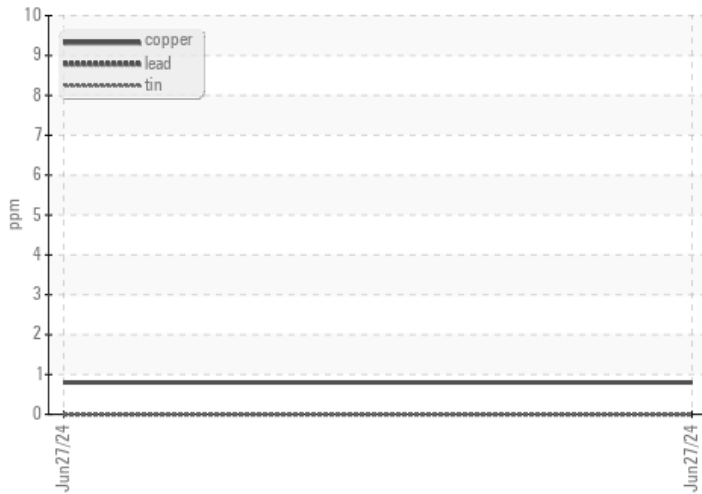


GRAPHS

▲ Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

