



CONSTRUCTION EQUIPMENT

VOLVO L70CBM 11441 - HYDRAULIC SYSTEM



Sample No: VCP417042
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP417042	---	---	---
Sample Date	12 Sep 2023	---	---	---
Machine Hours	19108	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

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 2025 COOK DRIVE
 SALEM, VA
 US 24153
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 ttrivellin@mcclung-logan.com
 T: (540)789-3750
 F:



OIL CONDITION

Visc @ 40°C	cSt	▲ 63.7	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.46	---	---	---



CONTAMINATION

Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ <1	---	---	---



WEAR METALS

Iron	ppm	■ 3	---	---	---
Copper	ppm	■ 3	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 242	---	---	---
Magnesium	ppm	■ 4	---	---	---
Zinc	ppm	■ 475	---	---	---
Phosphorus	ppm	■ 393	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 5	---	---	---

Diagnosis

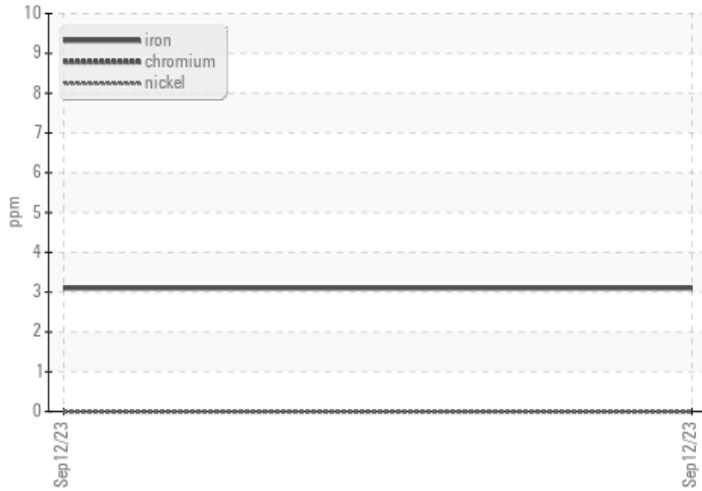
We advise that you inspect for the source(s) of metal. Resample at the next service interval to monitor. We were unable to perform a particle count due to metal particles present in this sample. Moderate concentration of visible metal present. All component wear rates are normal. No other contaminants were detected in the oil. Viscosity of sample indicates oil is within ISO 68 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

Depot: VOLVO9010
Unique No: 10658223
Signed: Don Baldrige
Report Date: 22 Sep 2023

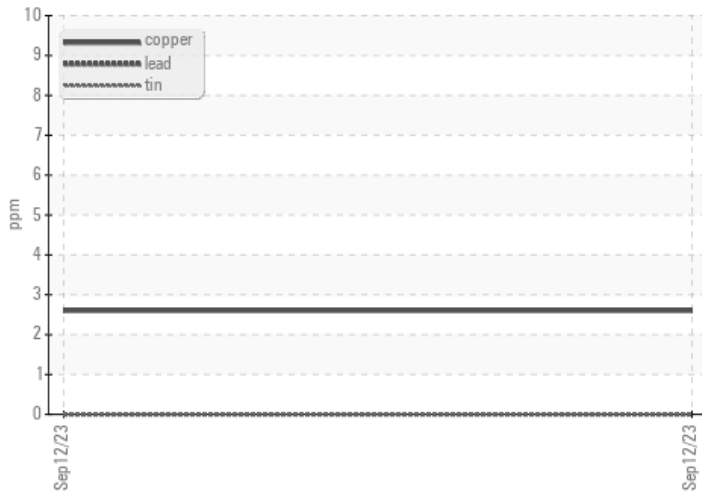


GRAPHS

Ferrous Alloys



Non-ferrous Metals



▲ Viscosity @ 40°C



Acid Number

