



CONSTRUCTION EQUIPMENT

6001 VOLVO A35D 72405 - HYDRAULIC SYSTEM



Sample No: VCP383147
Oil Type: CASTROL HD AW ISO 46
Job No: 6001



SAMPLE INFORMATION

Sample Number	VCP383147	---	---	---
Sample Date	11 Sep 2023	---	---	---
Machine Hours	12650	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

LEONARDS CONTRACTING
 30850 STEPHENSON HWY
 MADISON HEIGHTS, MI
 US 48071
 Contact: LARRY SCHRADER
 larry.schrade@sdevelop.com
 T: (810)499-1953
 F: x:

OIL CONDITION

Visc @ 40°C	cSt	█ 42.2	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.37	---	---	---

CONTAMINATION

Particles >4µm		█ 39037	---	---	---
Particles >6µm		▲ 14268	---	---	---
Particles >14µm		▲ 1161	---	---	---
ISO 4406:1999 (c)		22/21/17	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

WEAR METALS

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

ADDITIVES

Calcium	ppm	█ 56	---	---	---
Magnesium	ppm	█ 3	---	---	---
Zinc	ppm	█ 365	---	---	---
Phosphorus	ppm	█ 288	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: LEOMAD
Unique No: 10662391
Signed: Don Baldrige
Report Date: 27 Sep 2023

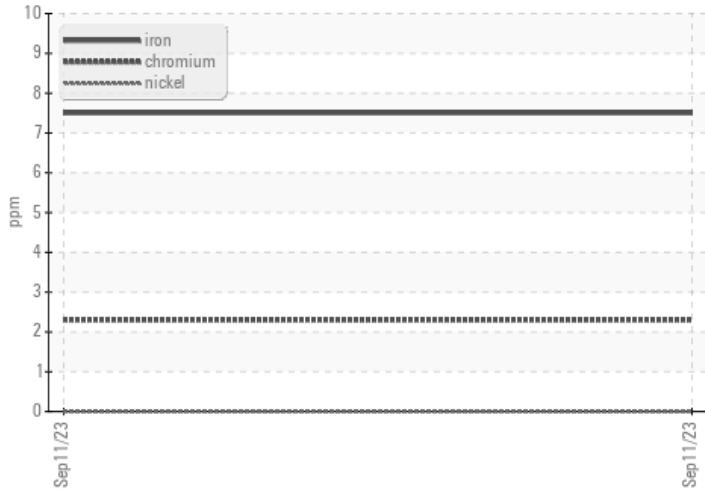


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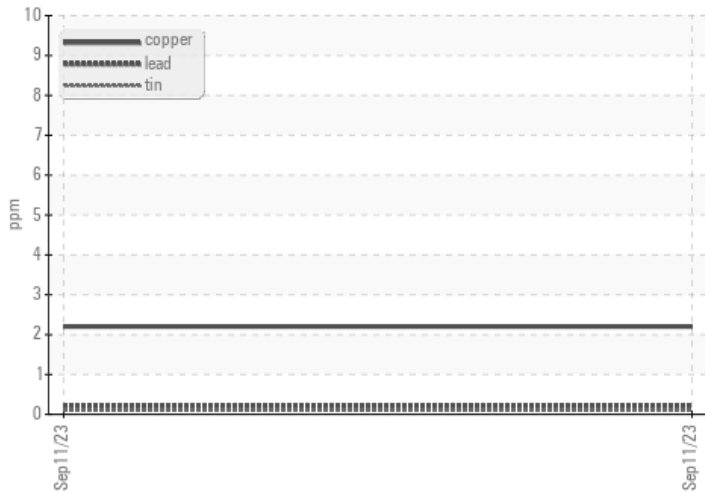


GRAPHS

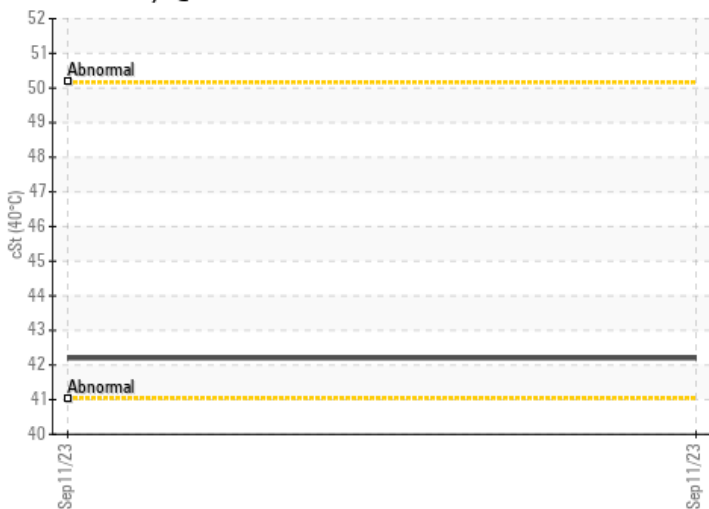
Ferrous Alloys



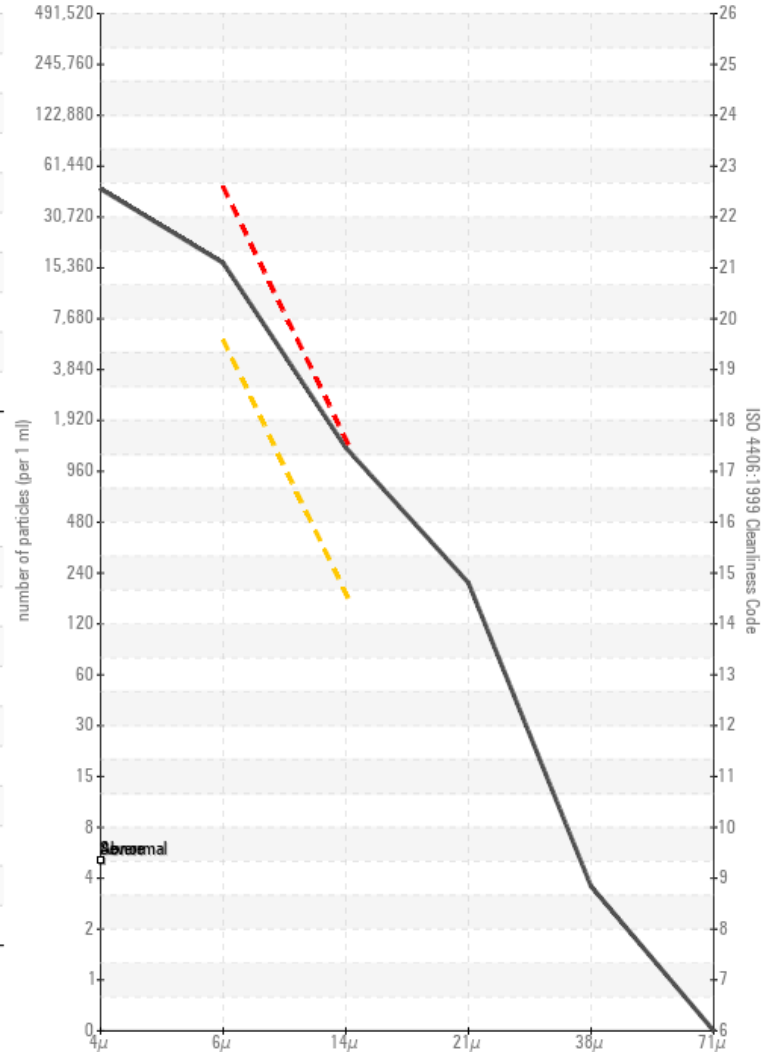
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

