



CONSTRUCTION EQUIPMENT

12855 VOLVO L60H 62233 - HYDRAULIC SYSTEM



Sample No: VC510543
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 12855



SAMPLE INFORMATION

Sample Number	VC510543	---	---	---
Sample Date	17 Apr 2024	---	---	---
Machine Hours	5475	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

TRANSOURCE TRUCK & EQUIPMENT

901 EAST 60TH STREET NORTH
 SIOUX FALLS, SD
 US 57104

Contact: BRAD MAUPIN
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 T:
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OIL CONDITION

Visc @ 40°C	cSt	█ 42.9	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.48	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 82159	---	---	---
Particles >6µm		▲ 15049	---	---	---
Particles >14µm		▲ 747	---	---	---
ISO 4406:1999 (c)		24/21/17	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 8	---	---	---

Diagnosis

We advise that you check all areas where contaminants can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm. All component wear rates are normal. There is a high amount of particulates (2 to 100 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	█ 10	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 3	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 395	---	---	---
Magnesium	ppm	█ 15	---	---	---
Zinc	ppm	█ 522	---	---	---
Phosphorus	ppm	█ 431	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 3	---	---	---

Depot: VOLVO0035
Unique No: 10992296
Signed: Wes Davis
Report Date: 23 Apr 2024

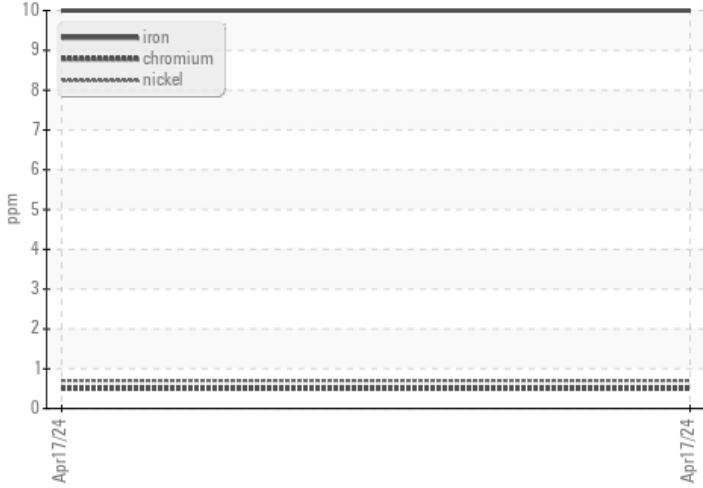


CONSTRUCTION EQUIPMENT

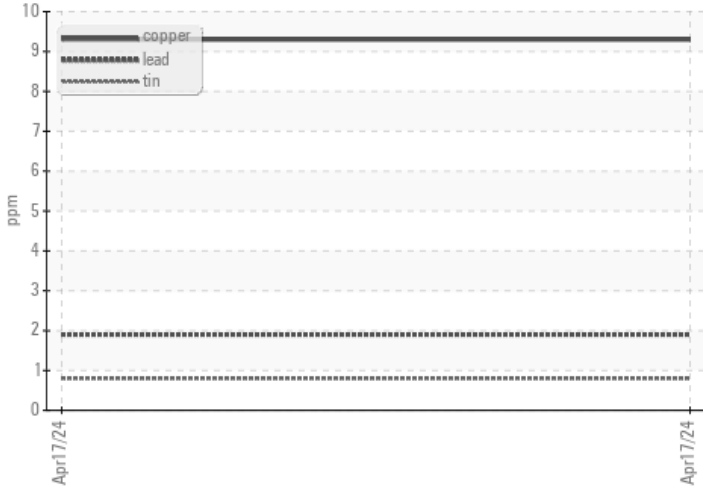


GRAPHS

Ferrous Alloys



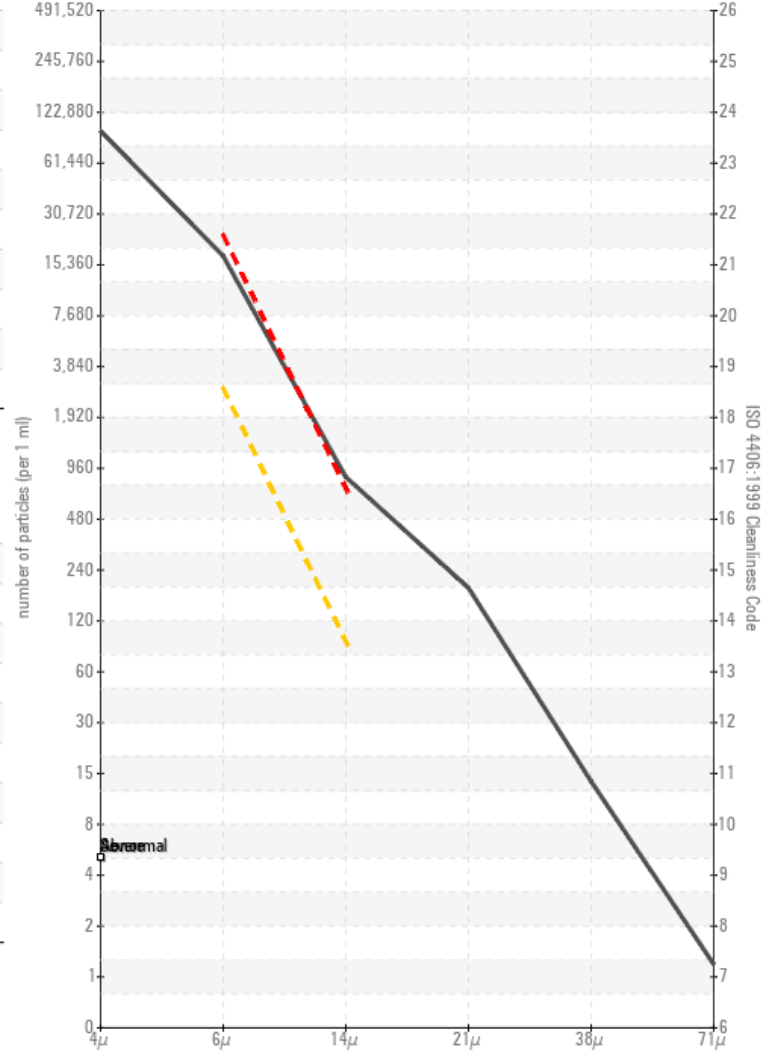
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

