



CONSTRUCTION EQUIPMENT

1027787 CUSTOM LANDS VOLVO L350H 1103 - HYDRAULIC SYSTEM



Sample No: VCP437819
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 1027787 CUSTOM LANDS



SAMPLE INFORMATION

Sample Number	VCP437819	VCP339136	---	---
Sample Date	06 May 2024	29 Oct 2021	---	---
Machine Hours	7020	4320	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	● 122	■ 43.1	---	---
Acid Number (AN)	mg KOH/g	■ 2.03	■ 0.572	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		● 200275	■ 8557	---	---
Particles >6µm		▲ 18561	■ 542	---	---
Particles >14µm		■ 51	■ 39	---	---
ISO 4406:1999 (c)		25/21/13	20/16/12	---	---
Silicon	ppm	■ 11	■ 8	---	---
Sodium	ppm	■ 3	■ 0	---	---
Potassium	ppm	■ 2	■ <1	---	---

Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The oil viscosity is higher than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.



WEAR METALS

Iron	ppm	■ 4	■ 6	---	---
Copper	ppm	■ 3	■ 2	---	---
Lead	ppm	■ 0	■ 1	---	---
Tin	ppm	■ <1	■ <1	---	---
Aluminum	ppm	■ 2	■ 0	---	---
Chromium	ppm	■ <1	■ <1	---	---
Molybdenum	ppm	● 36	■ 2	---	---
Nickel	ppm	■ 0	■ 0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 0	■ <1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	● 2220	■ 1535	---	---
Magnesium	ppm	● 325	■ 24	---	---
Zinc	ppm	● 1222	■ 831	---	---
Phosphorus	ppm	● 1090	■ 684	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	● 84	■ 39	---	---

Depot: VOLVO6174
Unique No: 11021459
Signed: Jonathan Hester
Report Date: 16 May 2024

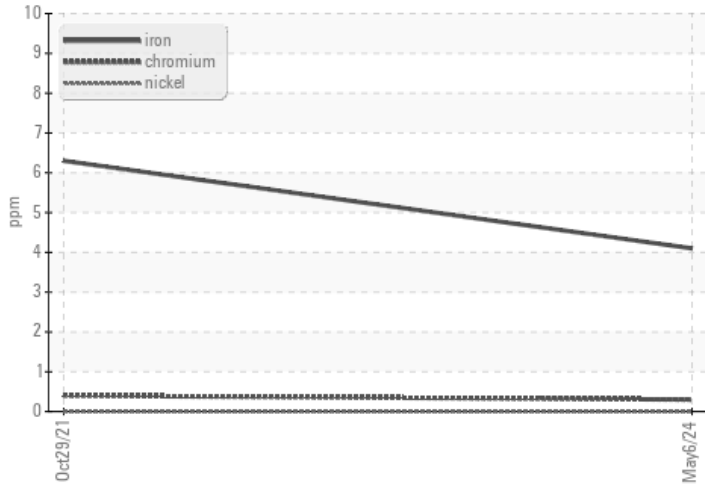


CONSTRUCTION EQUIPMENT

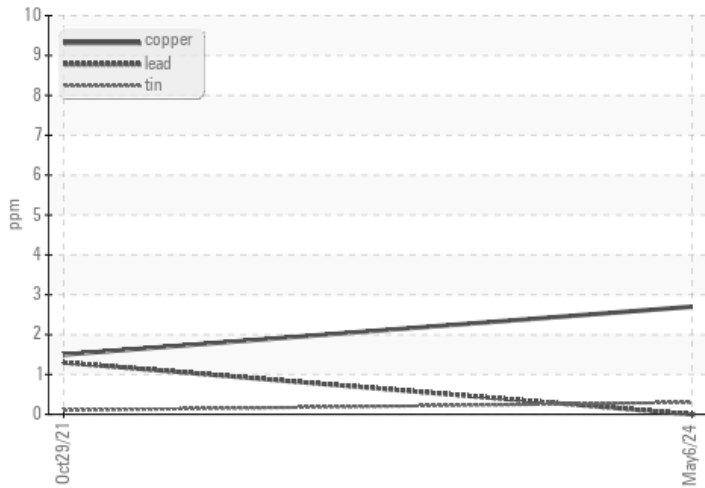


VOLVO GRAPHS

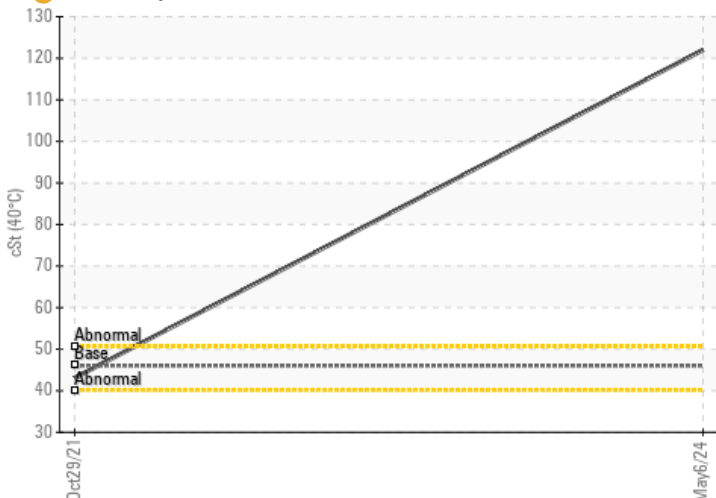
Ferrous Alloys



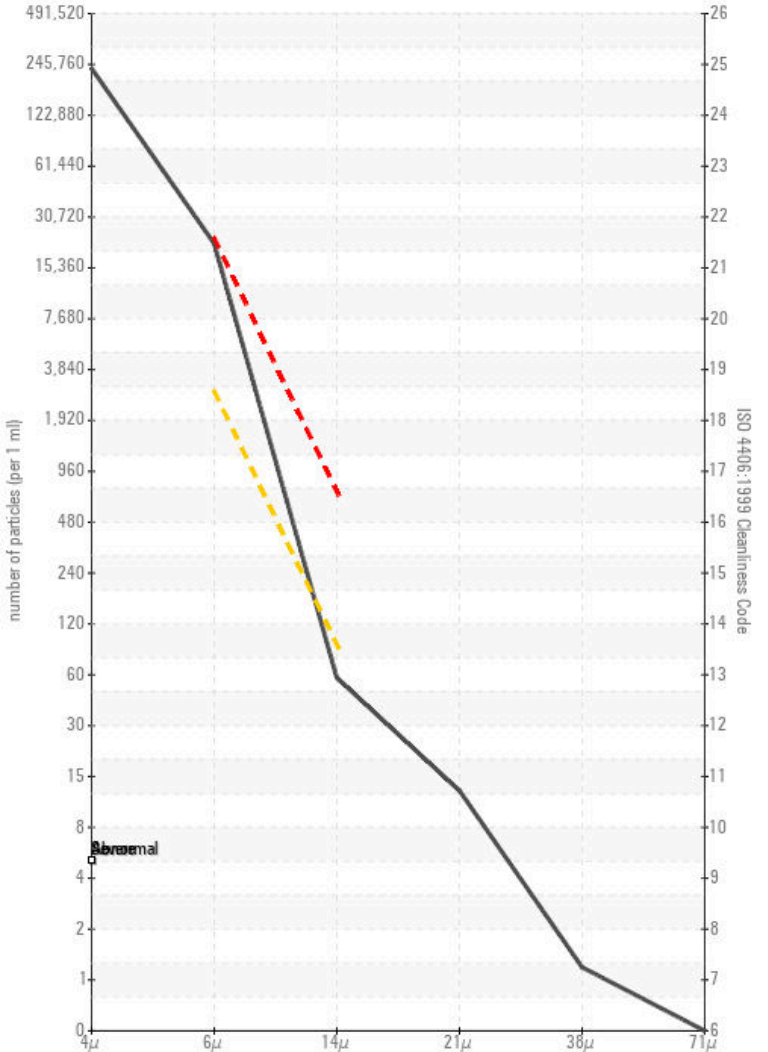
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

