



CONSTRUCTION EQUIPMENT

113054537 VOLVO A45G 353025 - HYDRAULIC SYSTEM



Sample No: VCP414700
Oil Type: {unknown}
Job No: 113054537



SAMPLE INFORMATION

Sample Number	VCP414700	---	---	---
Sample Date	28 Nov 2023	---	---	---
Machine Hours	1516	---	---	---
Oil Hours	1516	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

LEOTERRA DEVELOPMENT INC
110 SHIELDS PARK DR
KERNERSVILLE, NC
US 27284
Contact: JASON LEE



OIL CONDITION

Visc @ 40°C	cSt	█ 43.3	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.41	---	---	---

T: (704)298-5228
F:



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 55176	---	---	---
Particles >6µm		▲ 7321	---	---	---
Particles >14µm		█ 106	---	---	---
ISO 4406:1999 (c)		23/20/14	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 1	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	52	---	---	---
Magnesium	ppm	<1	---	---	---
Zinc	ppm	402	---	---	---
Phosphorus	ppm	315	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: LEOKER
Unique No: 10766006
Signed: Don Baldrige
Report Date: 04 Dec 2023

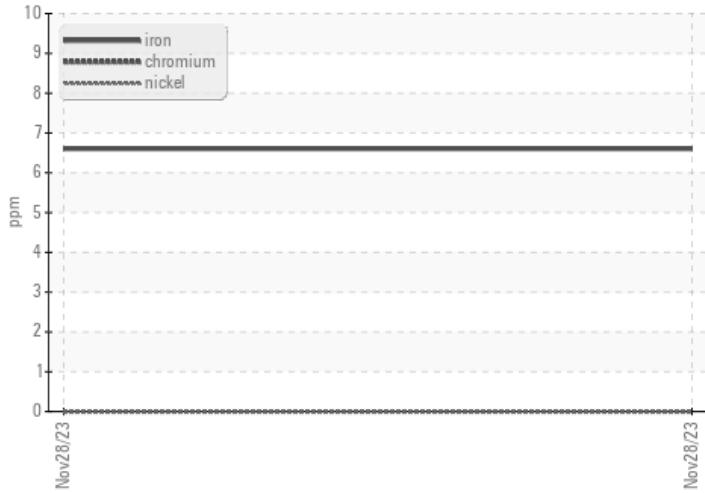


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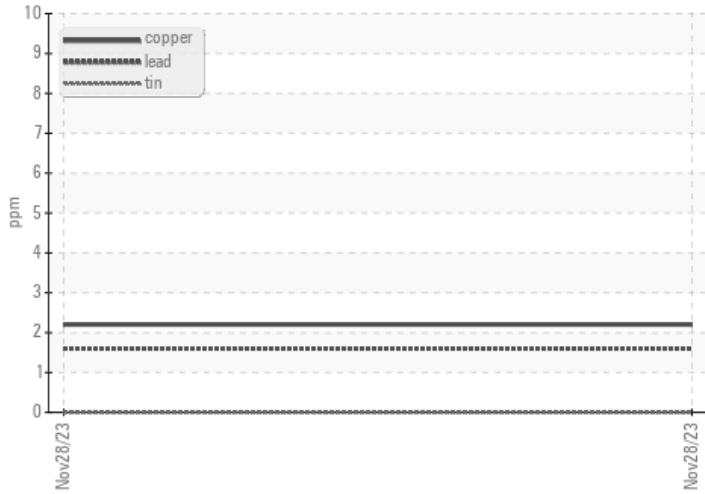


GRAPHS

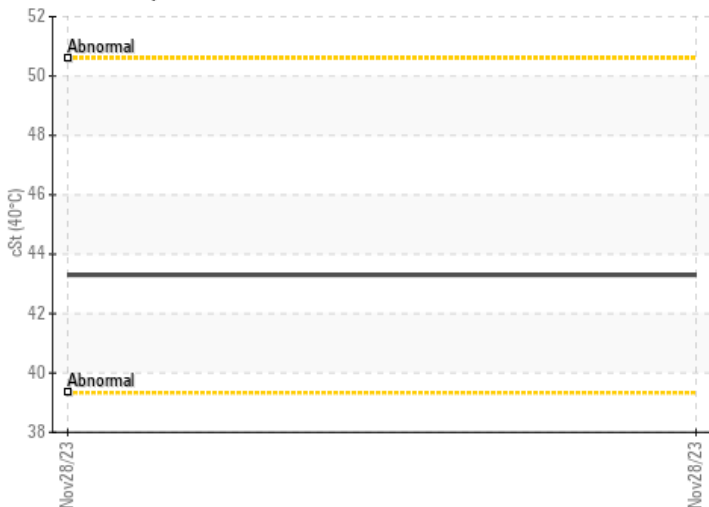
Ferrous Alloys



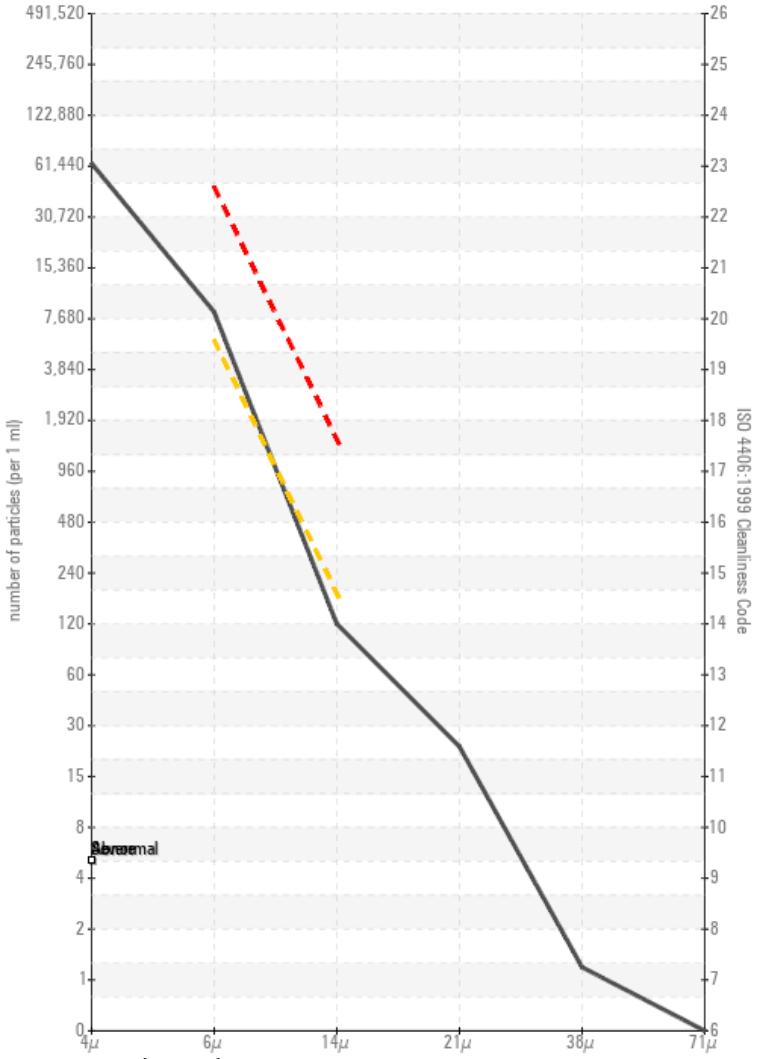
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

