



CONSTRUCTION EQUIPMENT

621676 HERCULES VOLVO L110H 631563 - HYDRAULIC SYSTEM



Sample No: VCP431404
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 621676 HERCULES



SAMPLE INFORMATION

Sample Number	VCP431404	VCP328499	---	---
Sample Date	13 Nov 2023	21 Oct 2021	---	---
Machine Hours	10231	5152	---	---
Oil Hours	2231	1152	---	---
Oil Changed	Not Changed	Not Changed	---	---
Sample Status	ATTENTION	ABNORMAL	---	---

ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
 Contact: PAUL CONZ
 paul.conz@altg.com
 T:
 F: (248)356-2029



OIL CONDITION

Visc @ 40°C	cSt	41.7	42.0	---	---
Acid Number (AN)	mg KOH/g	0.36	0.346	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		10773	---	---	---
Particles >6µm		▲ 2732	---	---	---
Particles >14µm		72	---	---	---
ISO 4406:1999 (c)		21/19/13	---	---	---
Silicon	ppm	3	2	---	---
Sodium	ppm	0	2	---	---
Potassium	ppm	2	0	---	---

Diagnosis

The filter 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 light 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 suitable for further service.



WEAR METALS

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



ADDITIVES

Calcium	ppm	122	94	---	---
Magnesium	ppm	3	4	---	---
Zinc	ppm	442	406	---	---
Phosphorus	ppm	352	317	---	---
Barium	ppm	4	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO2990
Unique No: 10765010
Signed: Wes Davis
Report Date: 30 Nov 2023

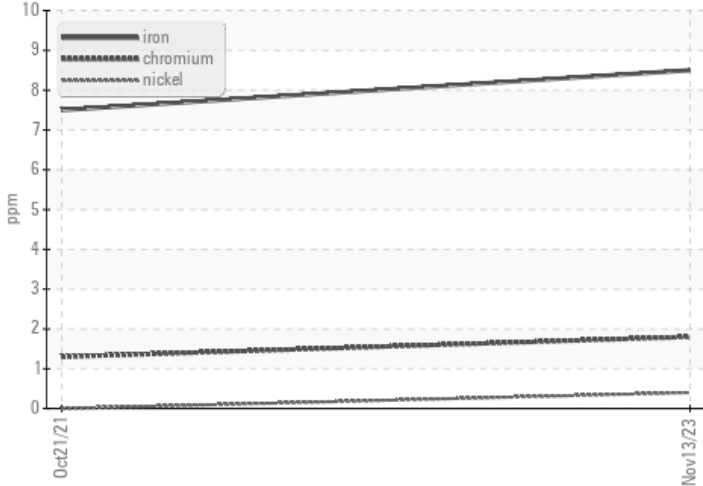


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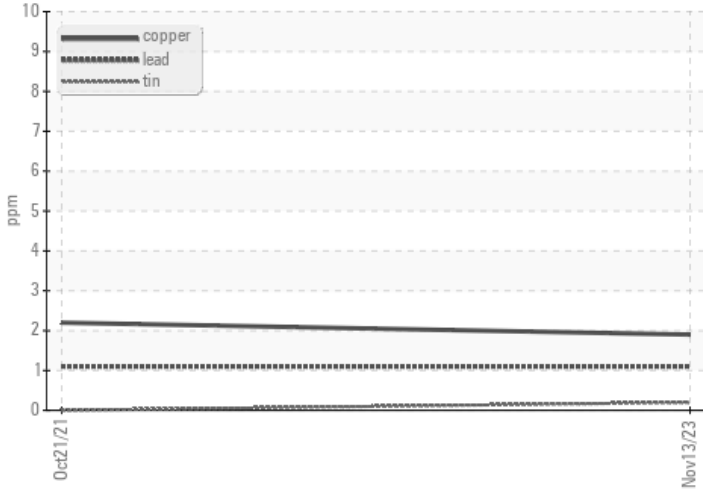


GRAPHS

Ferrous Alloys



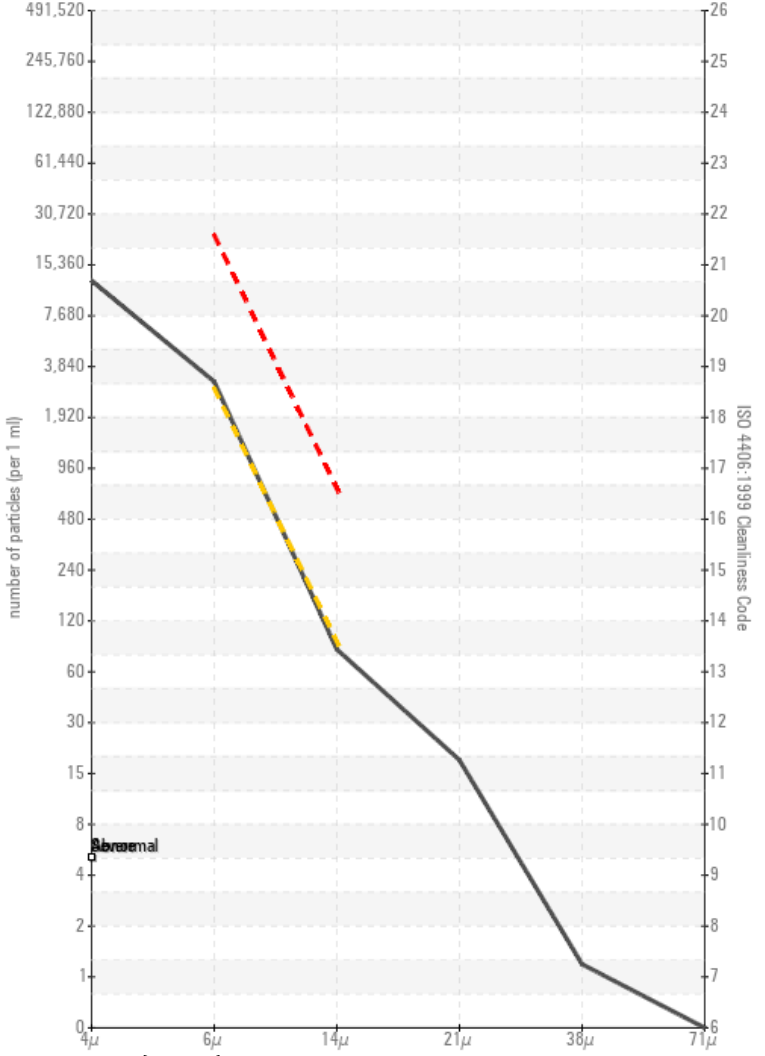
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

