



CONSTRUCTION EQUIPMENT

VOLVO L110H 05632247 - HYDRAULIC SYSTEM



Sample No: VCP407934
Oil Type: VALVOLINE ALLFLEET 10W
Job No:



SAMPLE INFORMATION

Sample Number	VCP407934	VCP407668	---	---
Sample Date	09 Aug 2023	17 May 2023	---	---
Machine Hours	4793	4033	---	---
Oil Hours	0	947	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	ATTENTION	---	---

CITY CARTING
 221 OLD GATE LN
 MILFORD, CT
 US 06460
 Contact: TAVINS BANKS
 tavins@citycart.net
 T: (203)223-3885
 F:

OIL CONDITION

Visc @ 40°C	cSt	41.0	41.1	---	---
Acid Number (AN)	mg KOH/g	0.42	0.36	---	---

CONTAMINATION

Particles >4µm		2040	6058	---	---
Particles >6µm		432	1659	---	---
Particles >14µm		48	115	---	---
ISO 4406:1999 (c)		18/16/13	20/18/14	---	---
Silicon	ppm	3	3	---	---
Sodium	ppm	0	<1	---	---
Potassium	ppm	<1	1	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

WEAR METALS

Iron	ppm	7	6	---	---
Copper	ppm	2	2	---	---
Lead	ppm	2	1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	0	---	---
Chromium	ppm	2	2	---	---
Molybdenum	ppm	17	17	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	800	823	---	---
Magnesium	ppm	58	58	---	---
Zinc	ppm	615	625	---	---
Phosphorus	ppm	505	495	---	---
Barium	ppm	0	0	---	---
Boron	ppm	15	14	---	---

Depot: CITMILCON
Unique No: 10604742
Signed: Jonathan Hester
Report Date: 16 Aug 2023

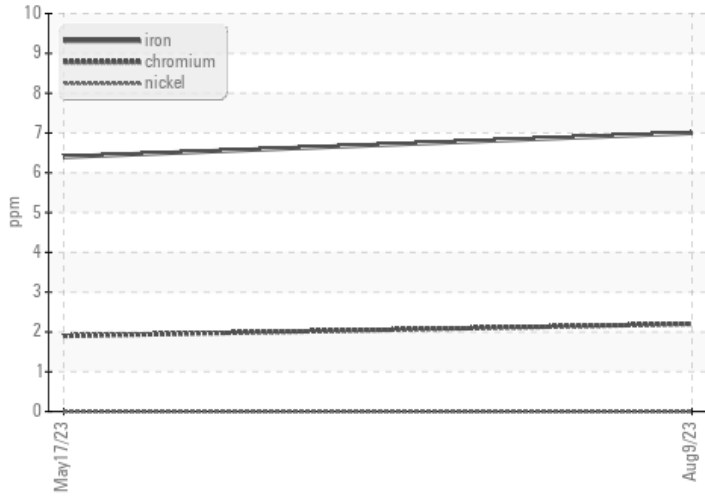


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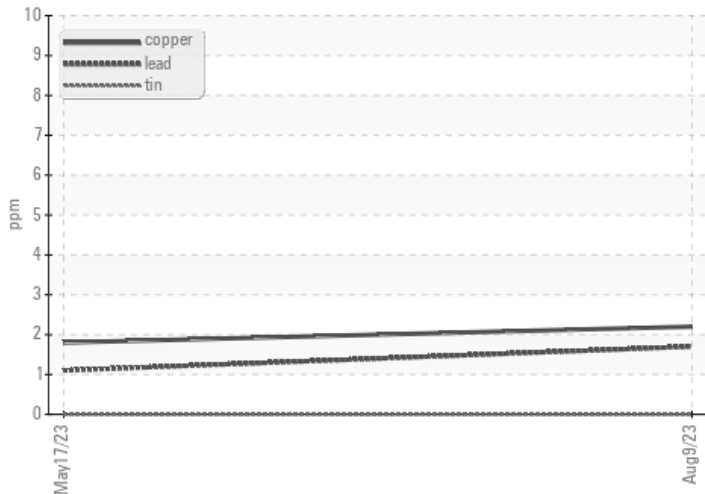


GRAPHS

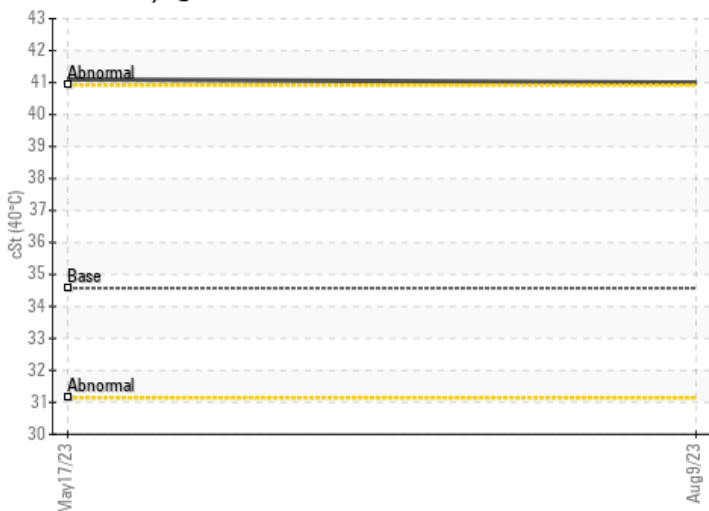
Ferrous Alloys



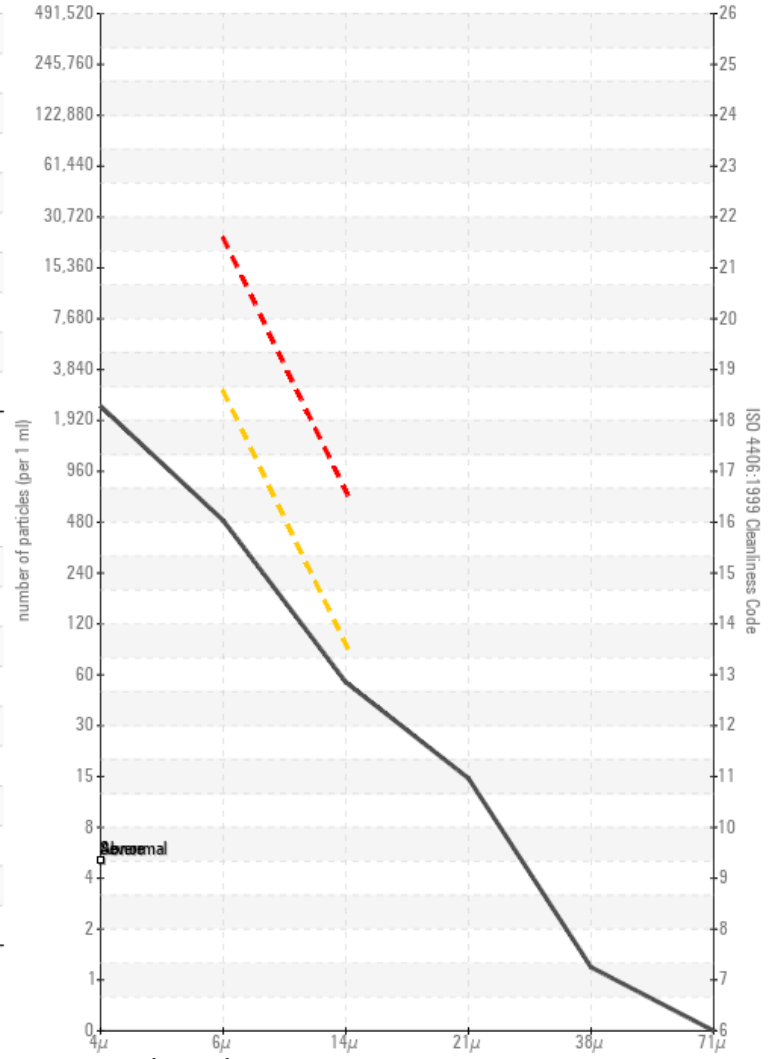
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

