



CONSTRUCTION EQUIPMENT

VOLVO L120H 633400 - HYDRAULIC SYSTEM



Sample No: VCP437220
Oil Type: VALVOLINE ALLFLEET 10W
Job No:



SAMPLE INFORMATION

Sample Number	VCP437220	VCP442187	---	---
Sample Date	20 Feb 2024	19 Oct 2023	---	---
Machine Hours	2033	1010	---	---
Oil Hours	0	1010	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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	41.2	41.5	---	---
Acid Number (AN)	mg KOH/g	0.49	0.35	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		2572	11841	---	---
Particles >6µm		712	2849	---	---
Particles >14µm		101	192	---	---
ISO 4406:1999 (c)		19/17/14	21/19/15	---	---
Silicon	ppm	3	2	---	---
Sodium	ppm	0	0	---	---
Potassium	ppm	2	1	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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	5	4	---	---
Copper	ppm	2	1	---	---
Lead	ppm	1	1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	<1	1	---	---
Chromium	ppm	2	<1	---	---
Molybdenum	ppm	14	1	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	468	59	---	---
Magnesium	ppm	39	4	---	---
Zinc	ppm	522	437	---	---
Phosphorus	ppm	371	345	---	---
Barium	ppm	5	0	---	---
Boron	ppm	10	0	---	---

Depot: CITMILCON
Unique No: 10896527
Signed: Don Baldrige
Report Date: 26 Feb 2024

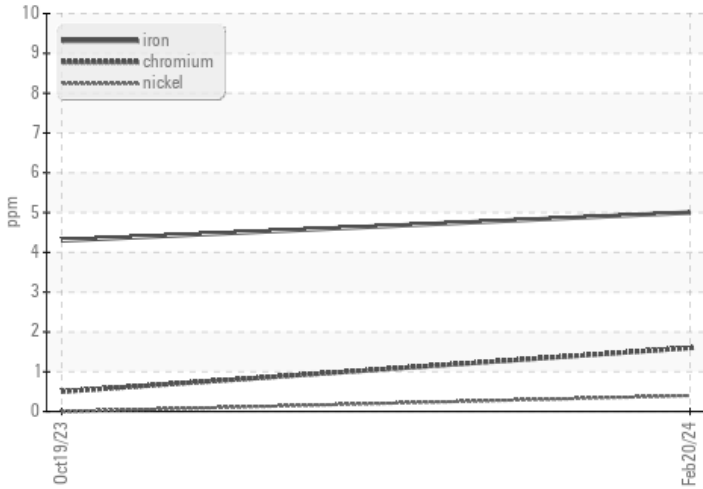


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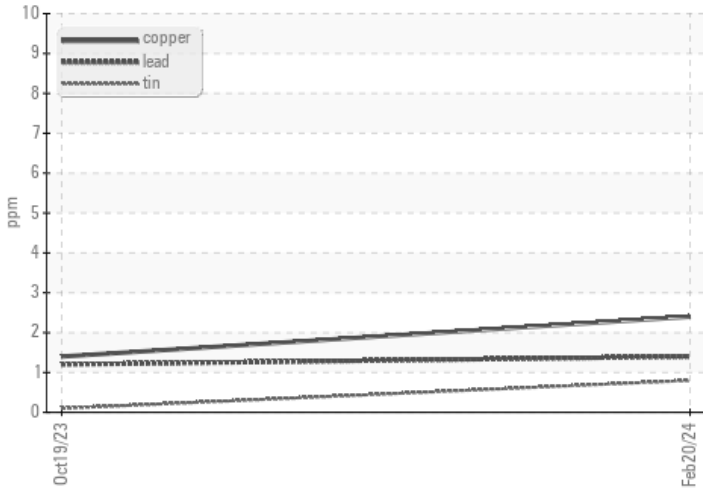


GRAPHS

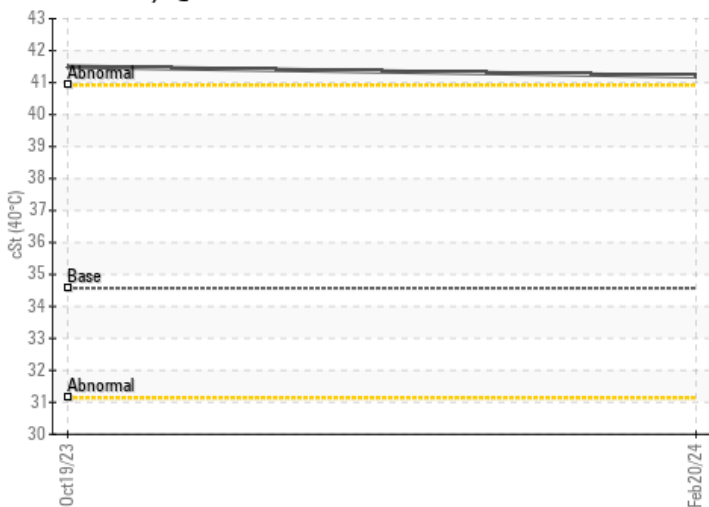
Ferrous Alloys



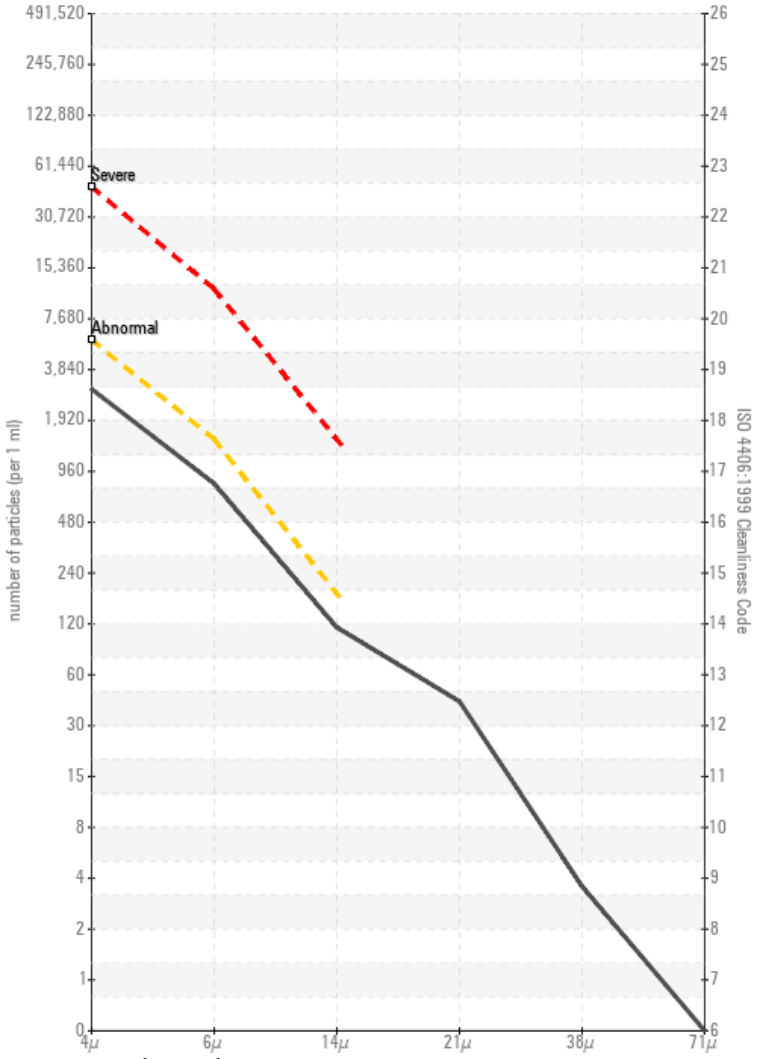
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

