



CONSTRUCTION EQUIPMENT

VOLVO L70H 05262376 (S/N 052623276) - HYDRAULIC SYSTEM



Sample No: VCP364641
Oil Type: VALVOLINE ALLFLEET 10W
Job No:



SAMPLE INFORMATION

Sample Number	VCP364641	VCP383241	VCP267025	---
Sample Date	22 Sep 2023	06 Feb 2023	26 Feb 2020	---
Machine Hours	5487	4750	1418	---
Oil Hours	0	0	0	---
Oil Changed	Changed	N/A	N/A	---
Sample Status	NORMAL	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	41.7	40.6	---
Acid Number (AN)	mg KOH/g	0.62	0.83	0.390	---

CONTAMINATION

Particles >4µm		3018	3426	---	---
Particles >6µm		191	373	---	---
Particles >14µm		10	13	---	---
ISO 4406:1999 (c)		19/15/10	19/16/11	---	---
Silicon	ppm	8	7	2	---
Sodium	ppm	2	2	<1	---
Potassium	ppm	<1	0	<1	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

WEAR METALS

Iron	ppm	6	5	4	---
Copper	ppm	2	1	2	---
Lead	ppm	1	<1	1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	1	0	0	---
Chromium	ppm	3	2	2	---
Molybdenum	ppm	34	32	<1	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	1413	1497	73	---
Magnesium	ppm	96	89	2	---
Zinc	ppm	852	757	466	---
Phosphorus	ppm	663	566	356	---
Barium	ppm	0	0	0	---
Boron	ppm	28	26	<1	---

Depot: CITMILCON
Unique No: 10672764
Signed: Wes Davis
Report Date: 03 Oct 2023

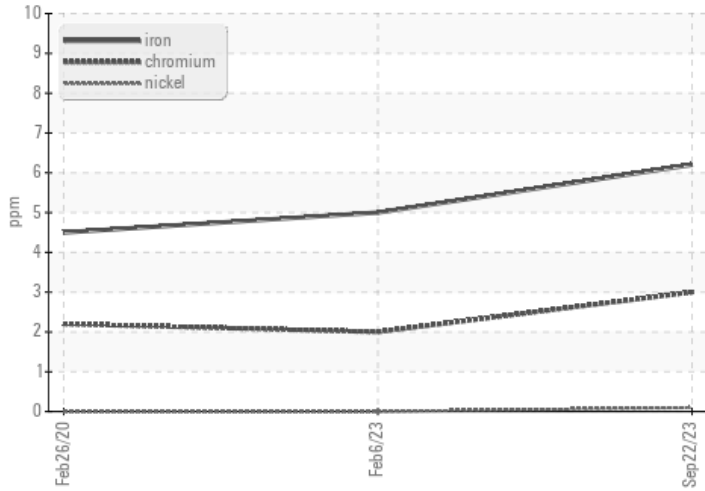


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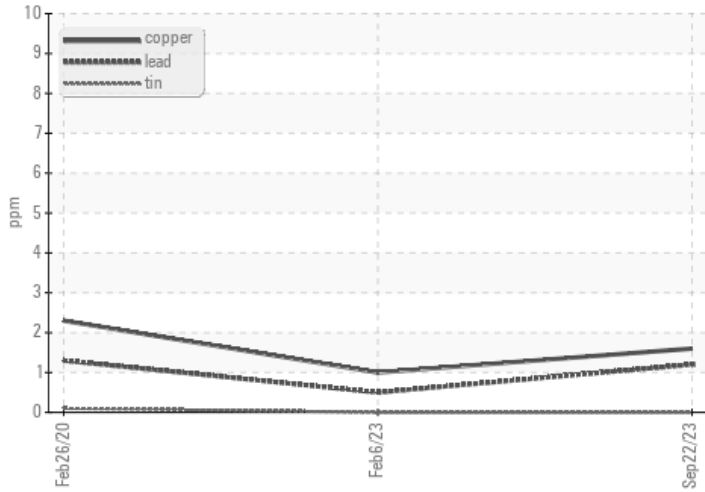


GRAPHS

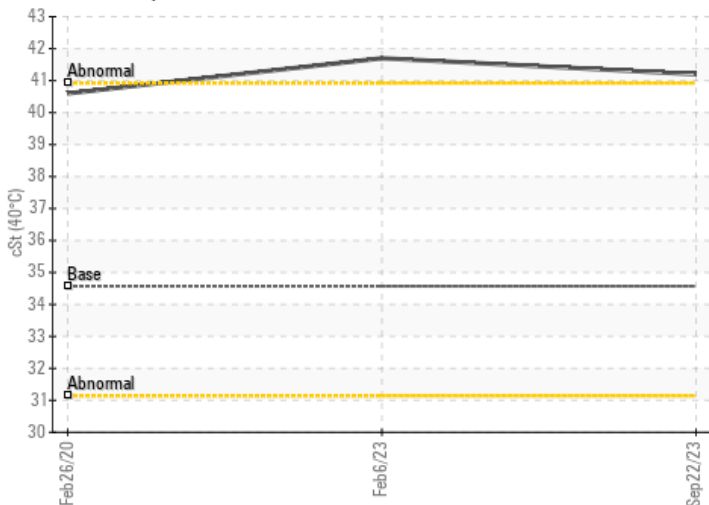
Ferrous Alloys



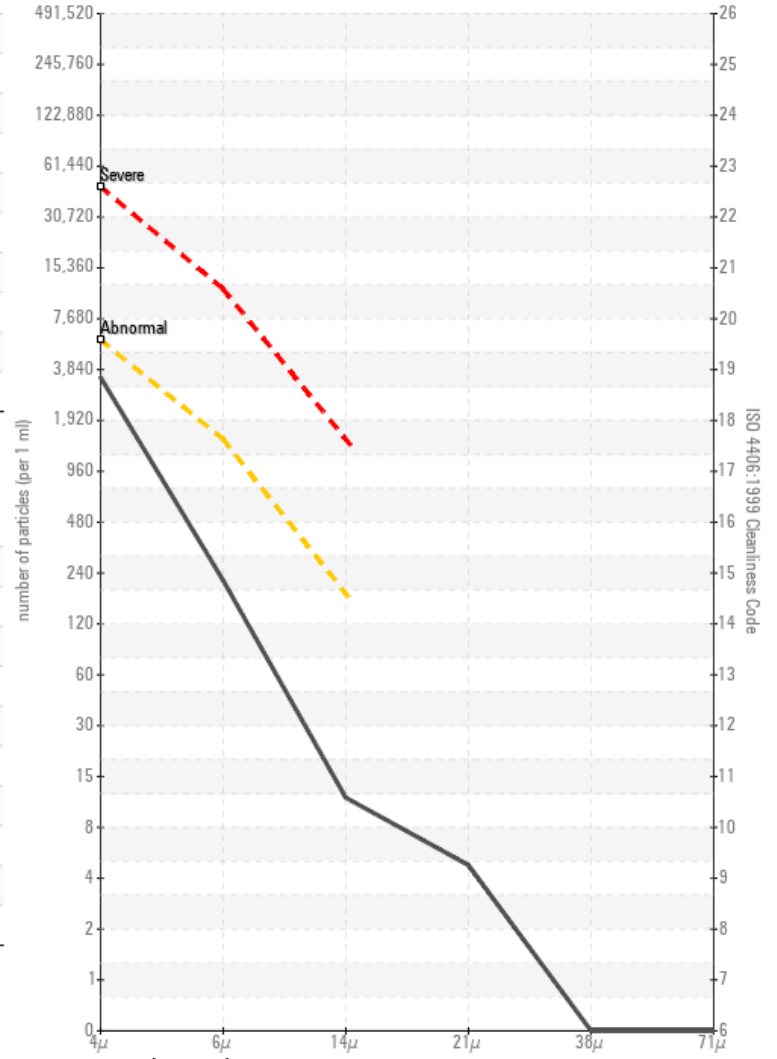
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

