



CONSTRUCTION EQUIPMENT

VOLVO L150H 7248 - HYDRAULIC SYSTEM



Sample No: VCP416325

Oil Type: FACTORY

Job No:



SAMPLE INFORMATION

Sample Number	VCP416325	---	---	---
Sample Date	01 Sep 2023	---	---	---
Machine Hours	253	---	---	---
Oil Hours	253	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



MARYLAND ENVIRONMENTAL SERVICES

21210 MARTINSBURG RD
DICKERSON, MD
US 20842

Contact: ALAN PARRISH
aparr@menv.com
T: (301)428-8185
F: (301)428-8311



OIL CONDITION

Visc @ 40°C	cSt	█ 43.0	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.46	---	---	---



CONTAMINATION

Particles >4µm		█ 1153	---	---	---
Particles >6µm		█ 111	---	---	---
Particles >14µm		█ 8	---	---	---
ISO 4406:1999 (c)		17/14/10	---	---	---
Silicon	ppm	█ <1	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 0	---	---	---

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



ADDITIVES

Calcium	ppm	62	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	439	---	---	---
Phosphorus	ppm	341	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: MARDIC
Unique No: 10644926
Signed: Wes Davis
Report Date: 14 Sep 2023

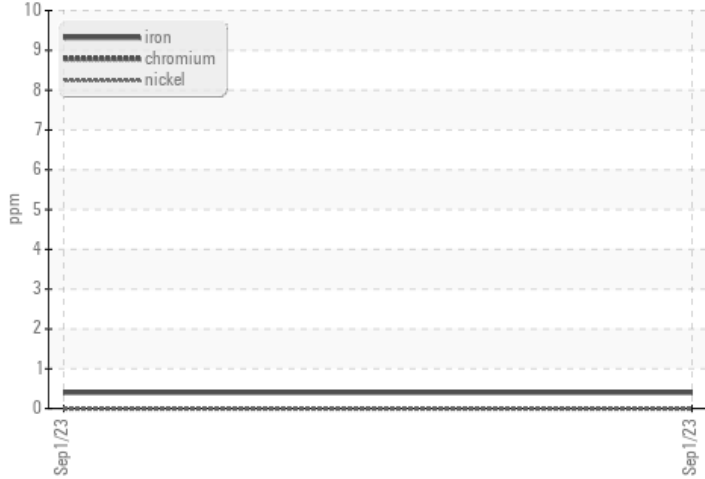


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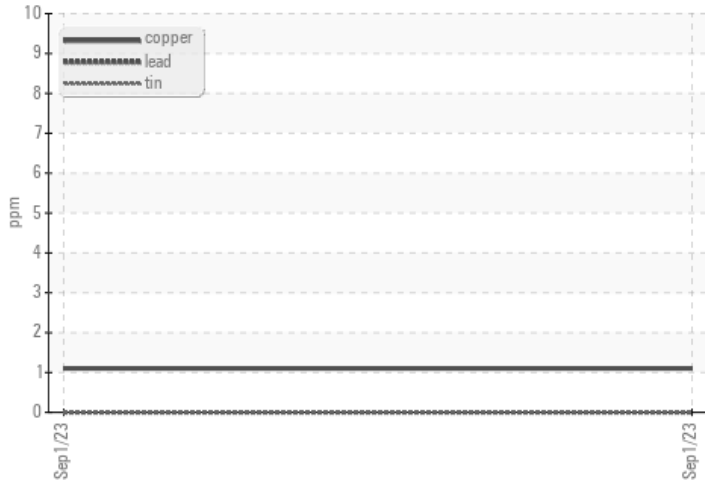


VOLVO GRAPHS

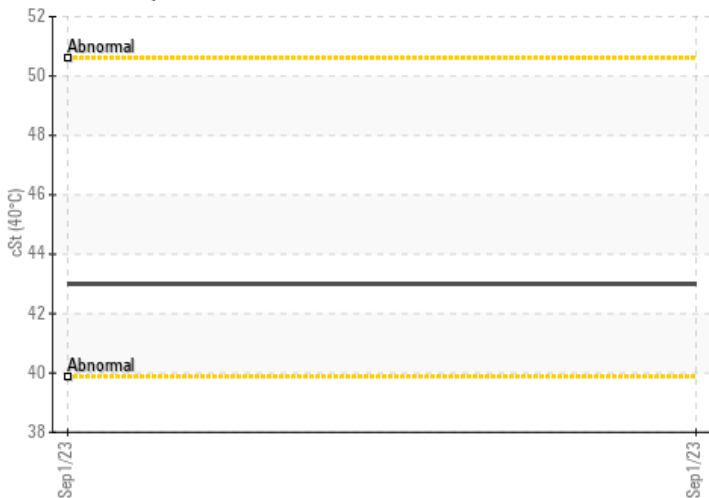
Ferrous Alloys



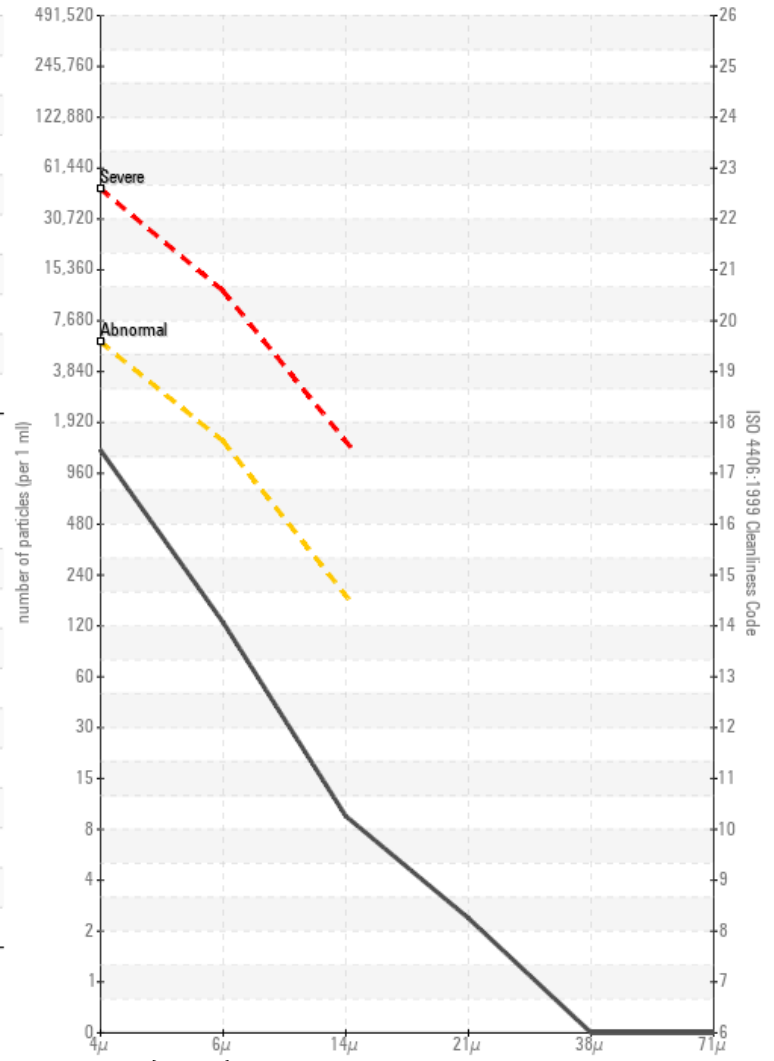
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

