



CONSTRUCTION EQUIPMENT

9123 VOLVO L70H 622302 - HYDRAULIC SYSTEM



Sample No: VCP367863
Oil Type: CHEVRON HYDRAULIC OIL AW ISO 46
Job No: 9123



SAMPLE INFORMATION

Sample Number	VCP367863	VCP318147	VCP274766	---
Sample Date	30 Aug 2023	19 Aug 2021	18 May 2020	---
Machine Hours	8734	6335	4416	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Changed	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

RELIABLE CONTRACTING
 2410 EVERGREEN RD SUITE 200
 GAMBRILLS, MD
 US 21054
 Contact: RUSSELL HATFIELD
 RHATFIELD@RELIABLECONTRACTING.COM
 T: (410)987-1851
 F:



OIL CONDITION

Visc @ 40°C	cSt	43.5	43.6	41.0	---
Acid Number (AN)	mg KOH/g	0.38	0.385	0.205	---



CONTAMINATION

Particles >4µm		4622	4088	3668	---
Particles >6µm		1164	196	708	---
Particles >14µm		262	9	54	---
ISO 4406:1999 (c)		19/17/15	19/15/10	19/17/13	---
Silicon	ppm	6	5	12	---
Sodium	ppm	2	2	0	---
Potassium	ppm	0	0	0	---

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of particulates (2 to 100 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	4	3	4	---
Copper	ppm	4	4	6	---
Lead	ppm	<1	1	3	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	0	<1	<1	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	0	0	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	120	115	82	---
Magnesium	ppm	14	2	4	---
Zinc	ppm	408	421	457	---
Phosphorus	ppm	322	337	320	---
Barium	ppm	6	0	0	---
Boron	ppm	0	3	<1	---

Depot: RELMIL
Unique No: 10635136
Signed: Wes Davis
Report Date: 11 Sep 2023

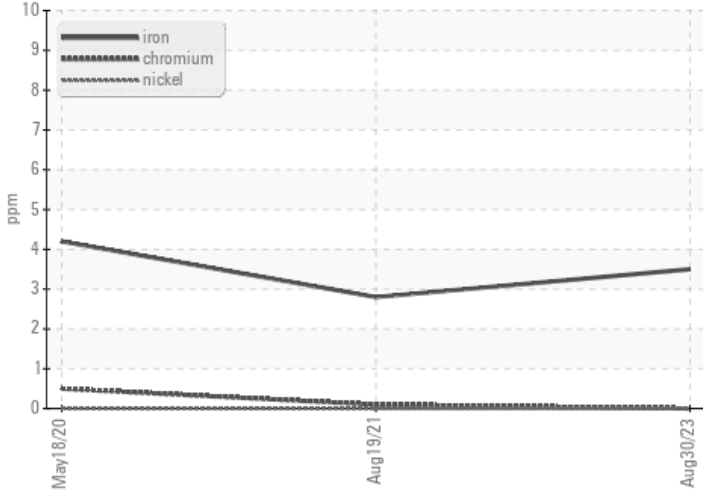


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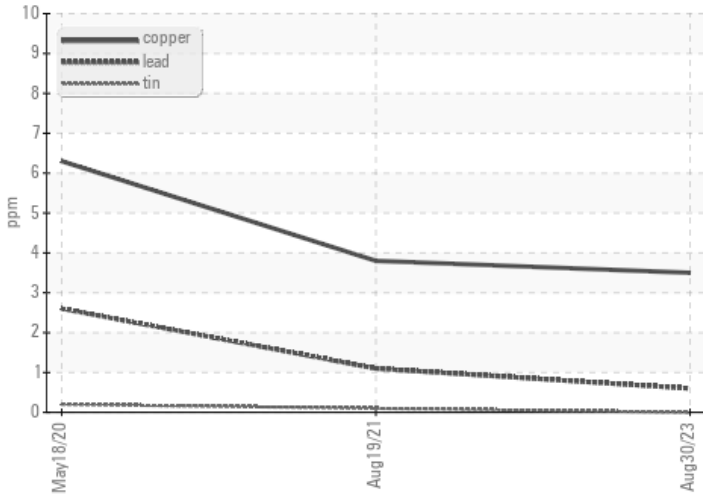


VOLVO GRAPHS

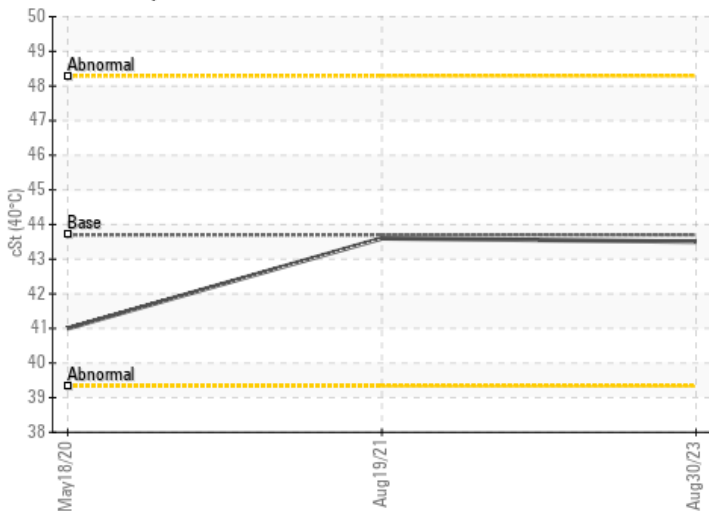
Ferrous Alloys



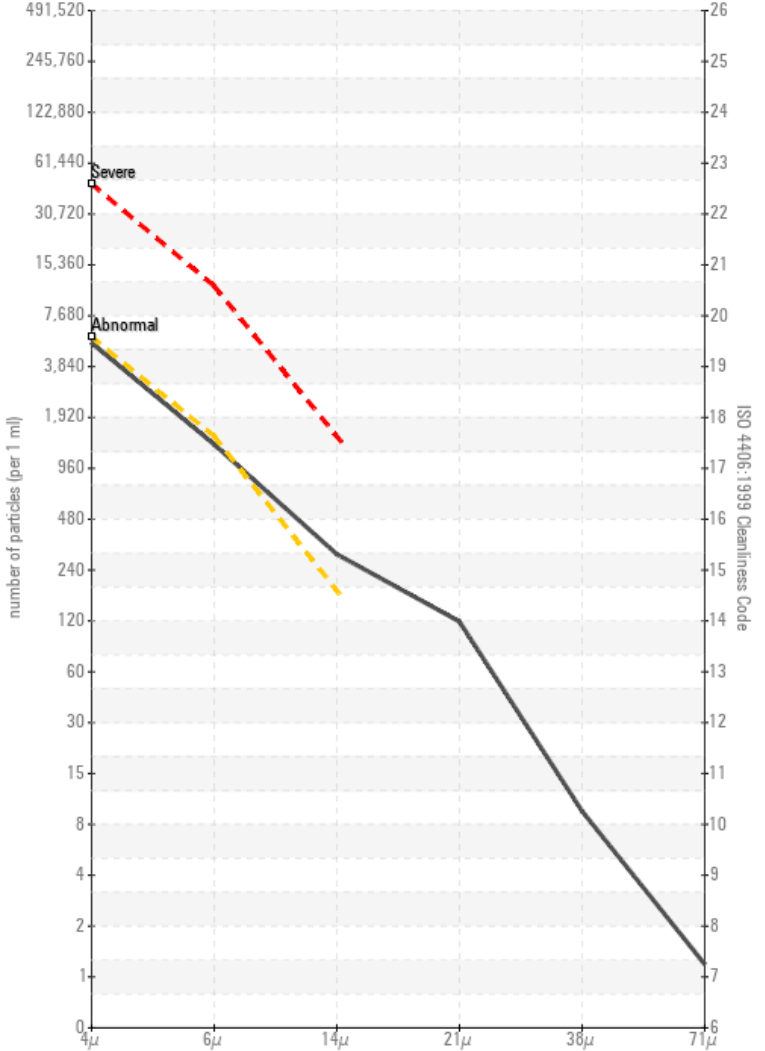
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

