



CONSTRUCTION EQUIPMENT

9825 VOLVO L180H 5472 - HYDRAULIC SYSTEM



Sample No: VCP413652
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 9825



SAMPLE INFORMATION

Sample Number	VCP413652	VCP364871	---	---
Sample Date	20 Oct 2023	08 Sep 2022	---	---
Machine Hours	4170	2104	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ATTENTION	ATTENTION	---	---

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	43.8	43.4	---	---
Acid Number (AN)	mg KOH/g	0.37	0.32	---	---

CONTAMINATION

Particles >4µm		5449	6846	---	---
Particles >6µm		904	964	---	---
Particles >14µm		39	140	---	---
ISO 4406:1999 (c)		20/17/12	20/17/14	---	---
Silicon	ppm	2	1	---	---
Sodium	ppm	0	0	---	---
Potassium	ppm	2	0	---	---

Diagnosis
 The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 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	3	2	---	---
Copper	ppm	4	3	---	---
Lead	ppm	2	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	57	56	---	---
Magnesium	ppm	3	<1	---	---
Zinc	ppm	436	419	---	---
Phosphorus	ppm	341	341	---	---
Barium	ppm	3	0	---	---
Boron	ppm	0	0	---	---

Depot: RELMIL
Unique No: 10711765
Signed: Wes Davis
Report Date: 26 Oct 2023

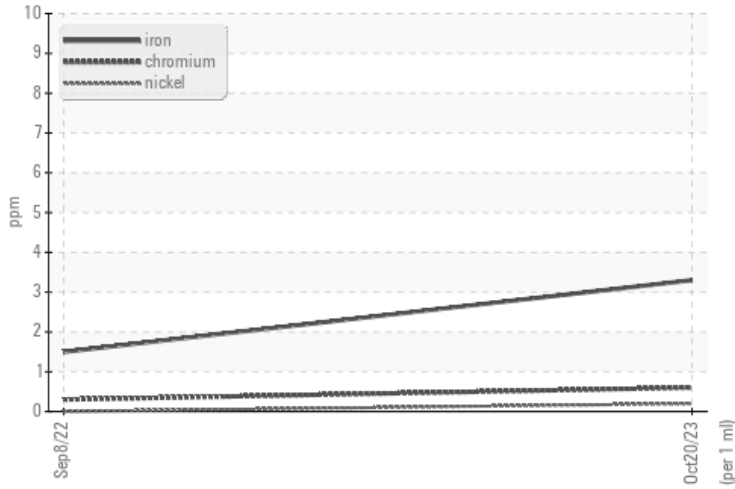


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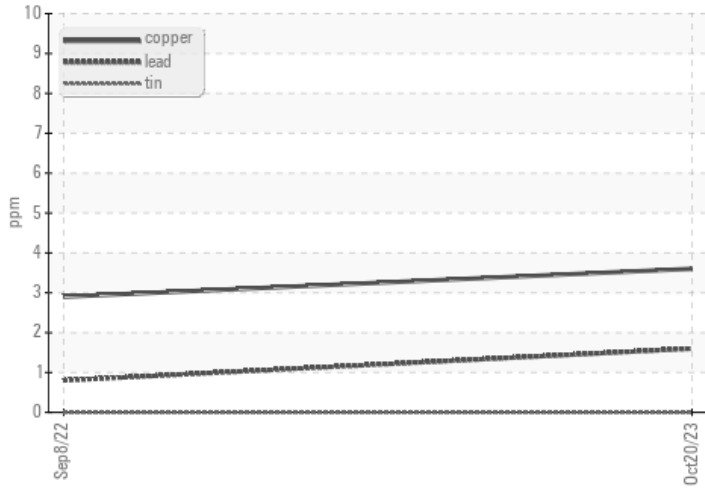


GRAPHS

Ferrous Alloys



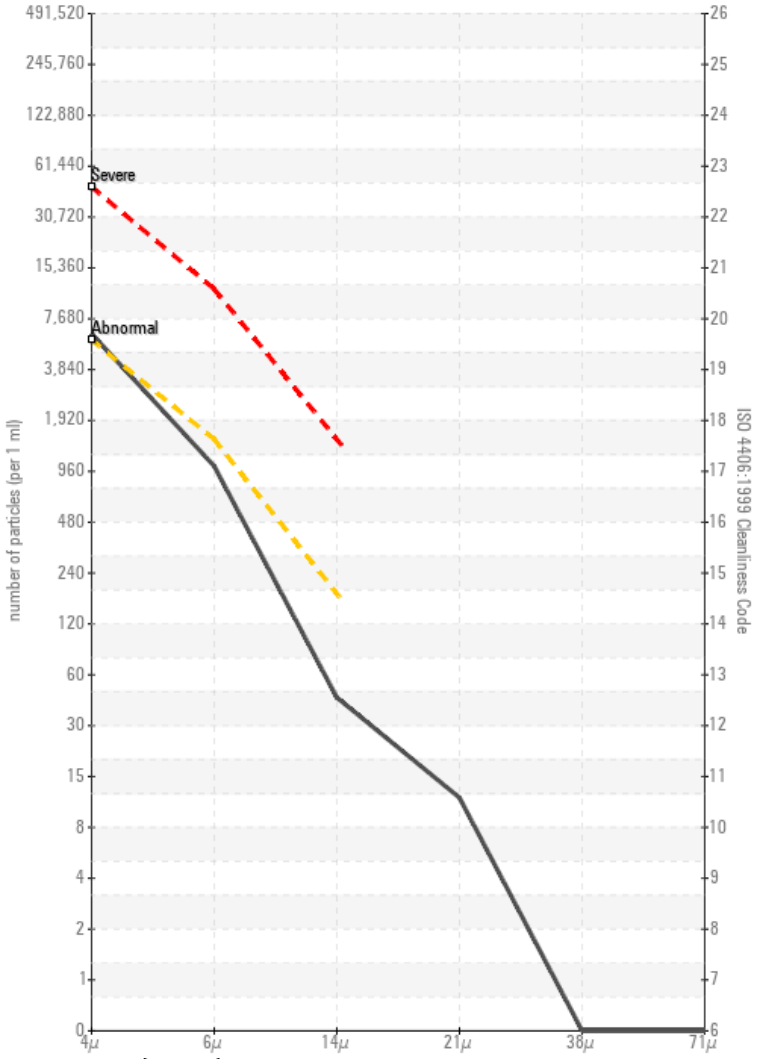
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

