



CONSTRUCTION EQUIPMENT

GILBERT BLOCK VOLVO L90H 624683 - HYDRAULIC SYSTEM



Sample No: VCE73170
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: GILBERT BLOCK



SAMPLE INFORMATION

Sample Number	VCE73170	VC450389	---	---
Sample Date	20 Feb 2024	31 Aug 2023	---	---
Machine Hours	7454	7195	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

CHADWICK-BAROSS INC
 ROUTE106 237 SHEEP DAVIS ROAD
 CONCORD, NH
 US 03301
 Contact: DOMINIC RUGGIERO
 ruggiero@chadwick-baross.com
 T:
 F: (603)224-3001

OIL CONDITION

Visc @ 40°C	cSt	41.9	41.4	---	---
Acid Number (AN)	mg KOH/g	0.36	0.41	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		12920	1182	---	---
Particles >6µm		2320	183	---	---
Particles >14µm		115	16	---	---
ISO 4406:1999 (c)		21/18/14	17/15/11	---	---
Silicon	ppm	3	4	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	0	<1	---	---

Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

WEAR METALS

Iron	ppm	0	4	---	---
Copper	ppm	<1	1	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	<1	0	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	50	55	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	61	50	---	---
Magnesium	ppm	<1	2	---	---
Zinc	ppm	429	404	---	---
Phosphorus	ppm	370	346	---	---
Barium	ppm	0	2	---	---
Boron	ppm	1	0	---	---

Depot: VOLVO0049
Unique No: 10889728
Signed: Wes Davis
Report Date: 23 Feb 2024

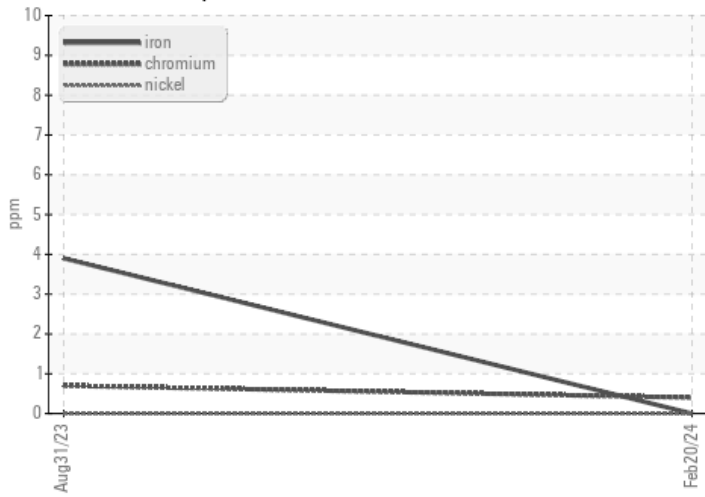


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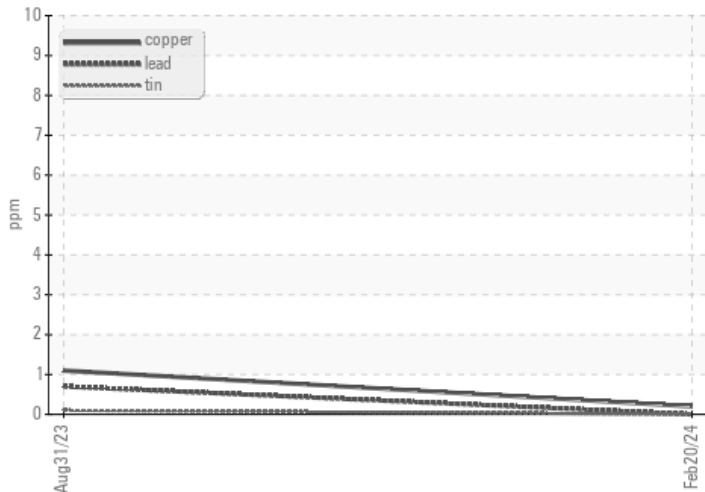


GRAPHS

Ferrous Alloys



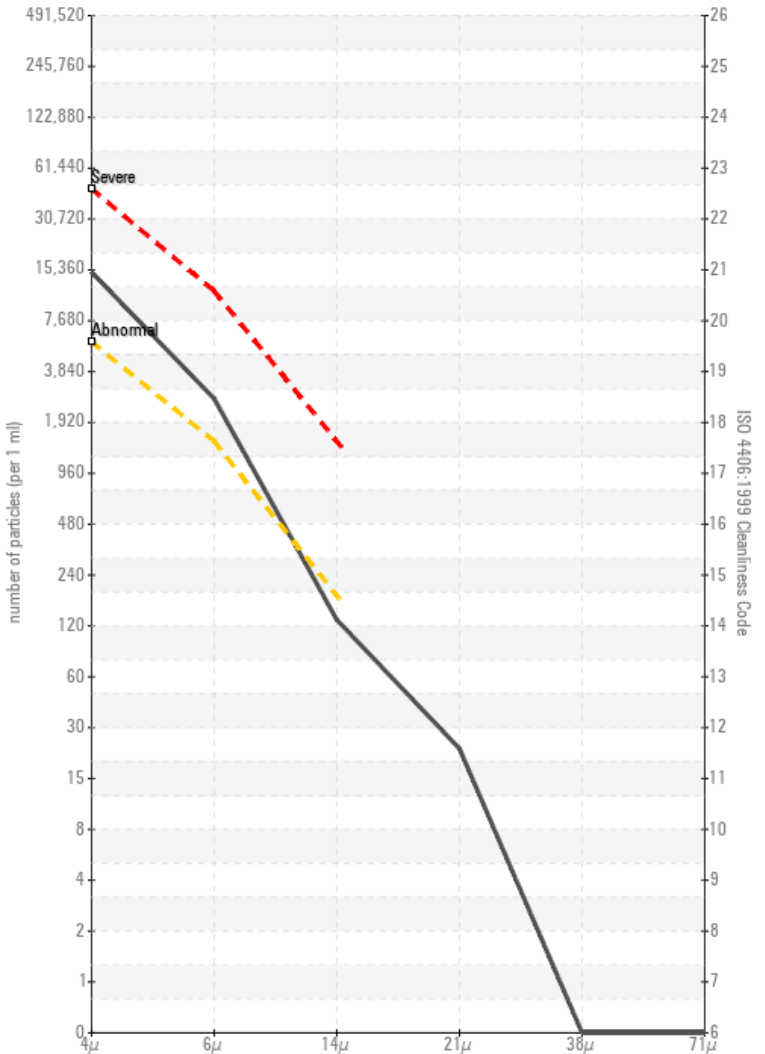
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

