



CONSTRUCTION EQUIPMENT

VOLVO L150H 6930 - HYDRAULIC SYSTEM



Sample No: VCP441896
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP441896	VCP374178	VCP326039	---
Sample Date	17 Jan 2024	31 May 2022	13 Sep 2021	---
Machine Hours	2342	1280	733	---
Oil Hours	0	128	733	---
Oil Changed	N/A	Not Changd	Not Changd	---
Sample Status	SEVERE	ATTENTION	ABNORMAL	---

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: PM Services
 PMServices@ripaconstruction.com
 T:
 F:

OIL CONDITION

Visc @ 40°C	cSt	48.0	47.9	43.3	---
Acid Number (AN)	mg KOH/g	0.29	0.28	0.343	---

CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		42310	5900	---	---
Particles >6µm		7482	988	---	---
Particles >14µm		101	101	---	---
ISO 4406:1999 (c)		23/20/14	20/17/14	---	---
Silicon	ppm	3	1	3	---
Sodium	ppm	1	<1	1	---
Potassium	ppm	2	0	0	---

Diagnosis
 Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. The filter change at the time of sampling has been noted. Resample in 30-45 days to monitor this situation. All component wear rates are normal. There is a high 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	<1	2	2	---
Copper	ppm	4	3	3	---
Lead	ppm	3	2	4	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	2	<1	8	---
Chromium	ppm	1	<1	<1	---
Molybdenum	ppm	<1	<1	0	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	<1	0	0	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	52	47	58	---
Magnesium	ppm	1	0	<1	---
Zinc	ppm	435	411	426	---
Phosphorus	ppm	350	330	344	---
Barium	ppm	0	0	0	---
Boron	ppm	0	<1	0	---

Depot: RIPTAM
Unique No: 10863377
Signed: Wes Davis
Report Date: 07 Feb 2024

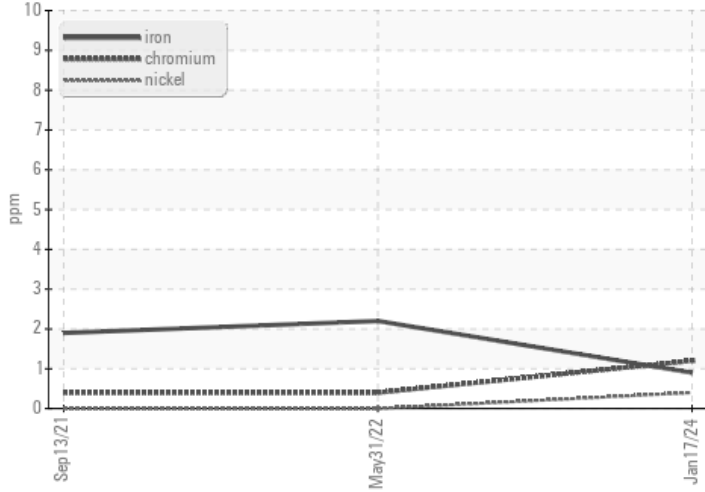


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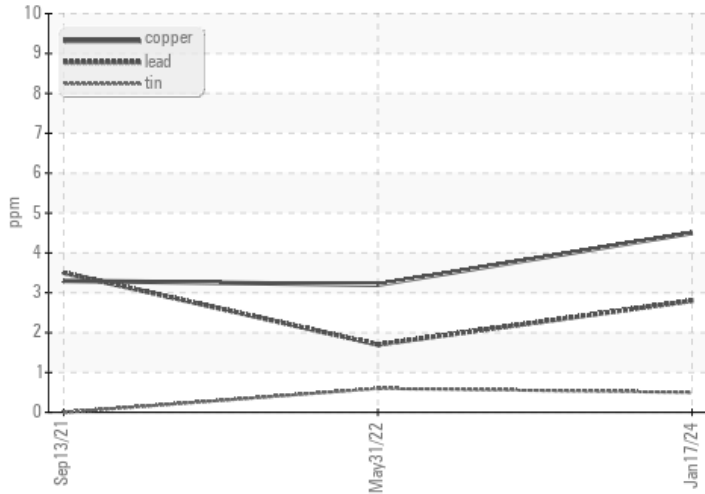


VOLVO GRAPHS

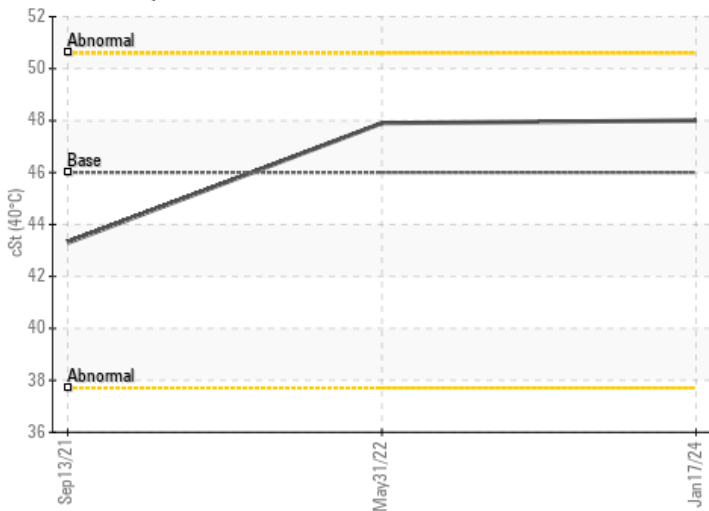
Ferrous Alloys



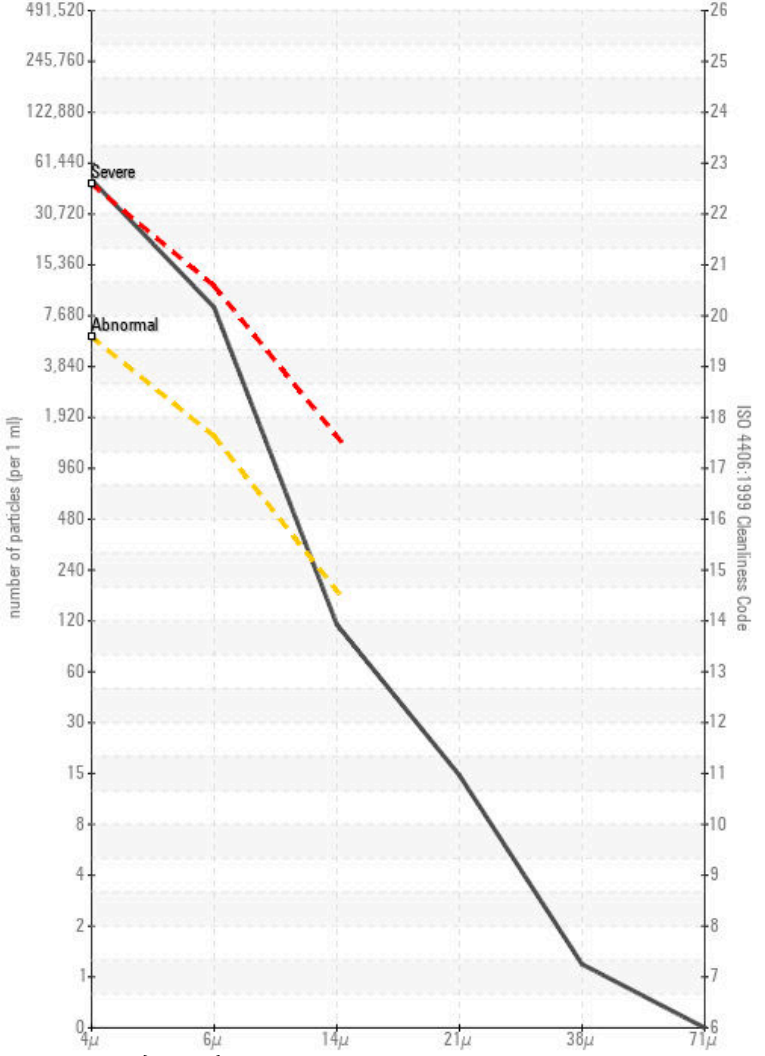
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

