



CONSTRUCTION EQUIPMENT

74109 5729 VOLVO L180H 5729 - HYDRAULIC SYSTEM



Sample No: VCP446626
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 74109



SAMPLE INFORMATION

Sample Number	VCP446626	VCP432670	VCP419012	---
Sample Date	13 Feb 2024	04 Dec 2023	11 Oct 2023	---
Machine Hours	2754	2153	1427	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	ABNORMAL	ATTENTION	ABNORMAL	---

TRADEMARK METALS RECYCLING - SUTTON
 5220 DOVER STREET
 TAMPA, FL
 US 33619
 Contact: RYAN BOWDEN

OIL CONDITION

Visc @ 40°C	cSt	41.9	41.6	41.9	---
Acid Number (AN)	mg KOH/g	0.39	0.39	0.37	---

T:
 F: (813)677-3007

CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		▲ 11319	▲ 7653	---	---
Particles >6µm		▲ 3121	▲ 1567	---	---
Particles >14µm		▲ 296	■ 82	---	---
ISO 4406:1999 (c)		21/19/15	20/18/14	---	---
Silicon	ppm	■ 1	■ <1	■ 2	---
Sodium	ppm	■ 1	■ 3	■ 1	---
Potassium	ppm	■ 1	■ 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 oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

WEAR METALS

Iron	ppm	■ 1	■ 0	■ 2	---
Copper	ppm	■ 1	■ 3	■ 2	---
Lead	ppm	■ <1	■ <1	■ <1	---
Tin	ppm	■ <1	■ 0	■ 0	---
Aluminum	ppm	■ <1	■ 0	■ <1	---
Chromium	ppm	■ <1	■ <1	■ <1	---
Molybdenum	ppm	■ 0	■ 0	■ 0	---
Nickel	ppm	■ <1	■ 0	■ 0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	■ 0	■ <1	■ <1	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	■ 41	■ 49	■ 39	---
Magnesium	ppm	■ 0	■ 0	■ 0	---
Zinc	ppm	■ 420	■ 422	■ 401	---
Phosphorus	ppm	■ 323	■ 316	■ 305	---
Barium	ppm	■ 0	■ 0	■ 0	---
Boron	ppm	■ 0	■ 0	■ 0	---

Depot: TRATAMFL
Unique No: 10888323
Signed: Wes Davis
Report Date: 22 Feb 2024

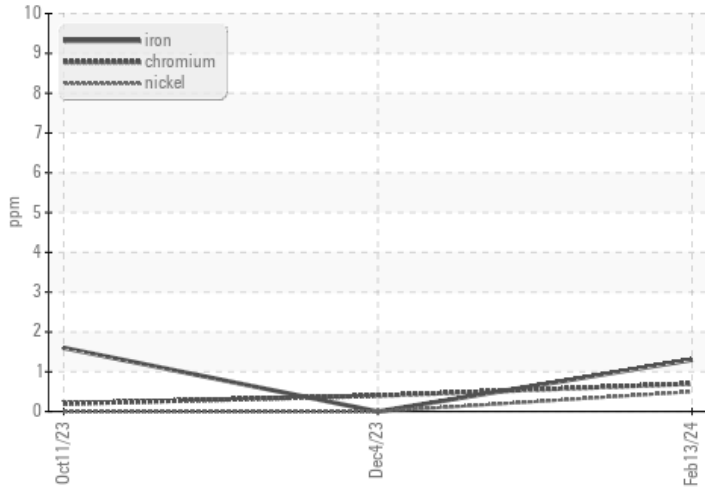


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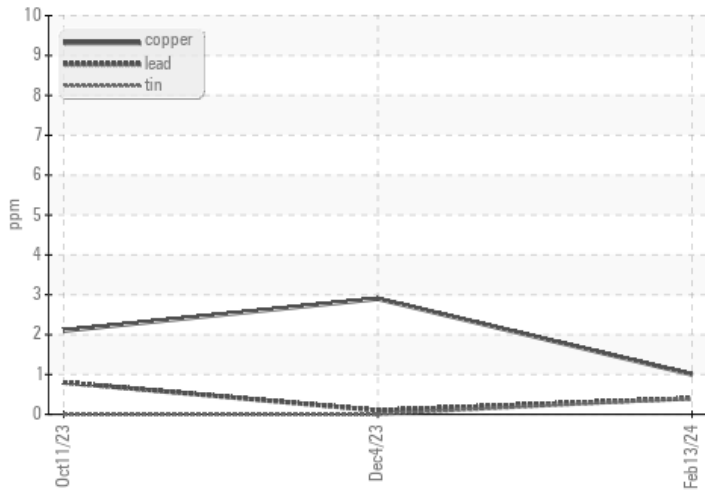


GRAPHS

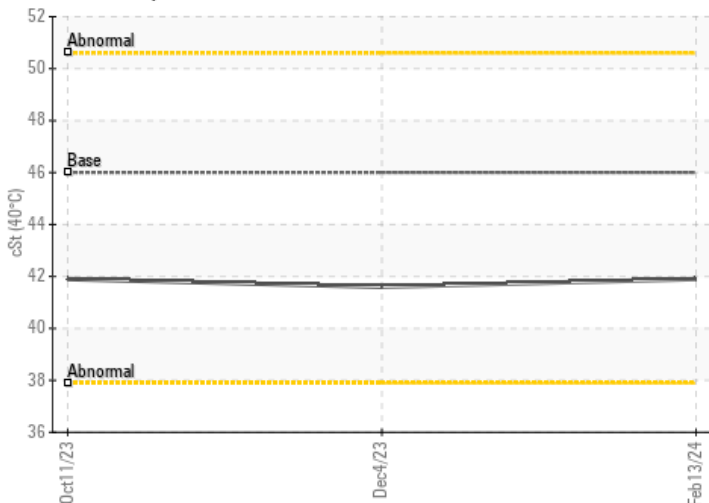
Ferrous Alloys



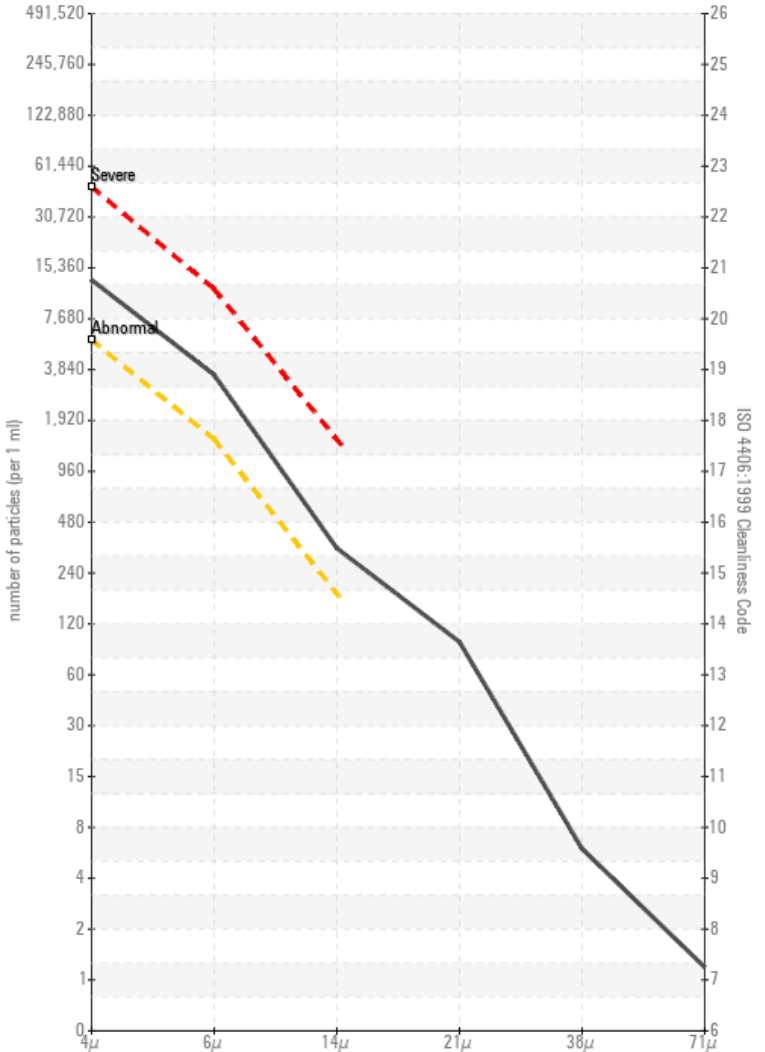
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

