



CONSTRUCTION EQUIPMENT

645347 5729 VOLVO L180H 5729 - HYDRAULIC SYSTEM



Sample No: VCP432670
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 645347



SAMPLE INFORMATION

Sample Number	VCP432670	VCP419012	---	---
Sample Date	04 Dec 2023	11 Oct 2023	---	---
Machine Hours	2153	1427	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ATTENTION	ABNORMAL	---	---

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



OIL CONDITION

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

T:
 F: (813)677-3007



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		▲ 7653	---	---	---
Particles >6µm		▲ 1567	---	---	---
Particles >14µm		■ 82	---	---	---
ISO 4406:1999 (c)		20/18/14	---	---	---
Silicon	ppm	■ <1	2	---	---
Sodium	ppm	■ 3	1	---	---
Potassium	ppm	■ 0	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	■ 0	2	---	---
Copper	ppm	■ 3	2	---	---
Lead	ppm	■ <1	<1	---	---
Tin	ppm	■ 0	0	---	---
Aluminum	ppm	■ 0	<1	---	---
Chromium	ppm	■ <1	<1	---	---
Molybdenum	ppm	■ 0	0	---	---
Nickel	ppm	■ 0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ <1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

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

Depot: TRATAMFL
Unique No: 10780266
Signed: Wes Davis
Report Date: 12 Dec 2023

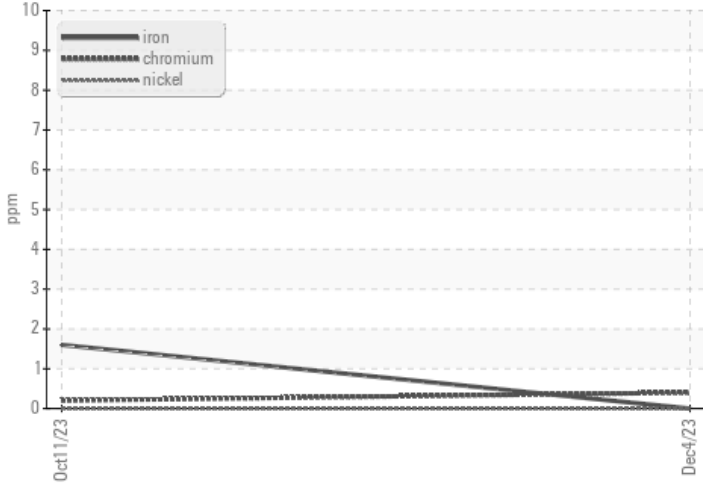


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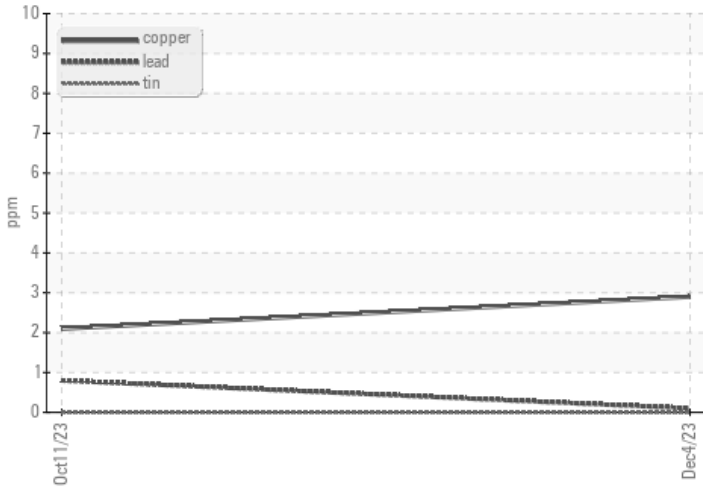


GRAPHS

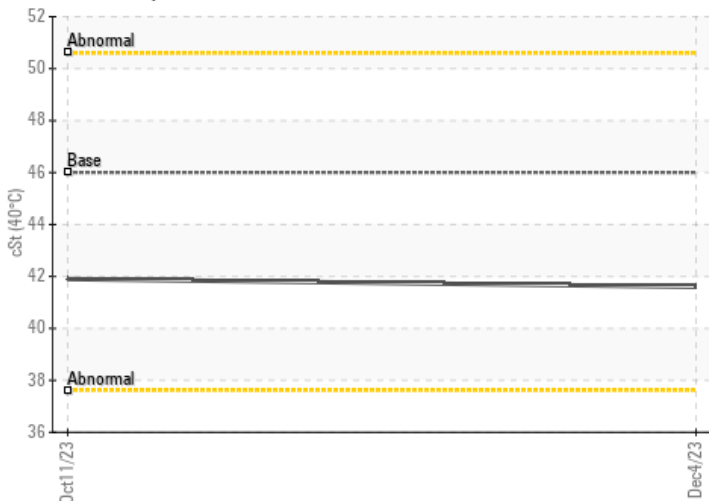
Ferrous Alloys



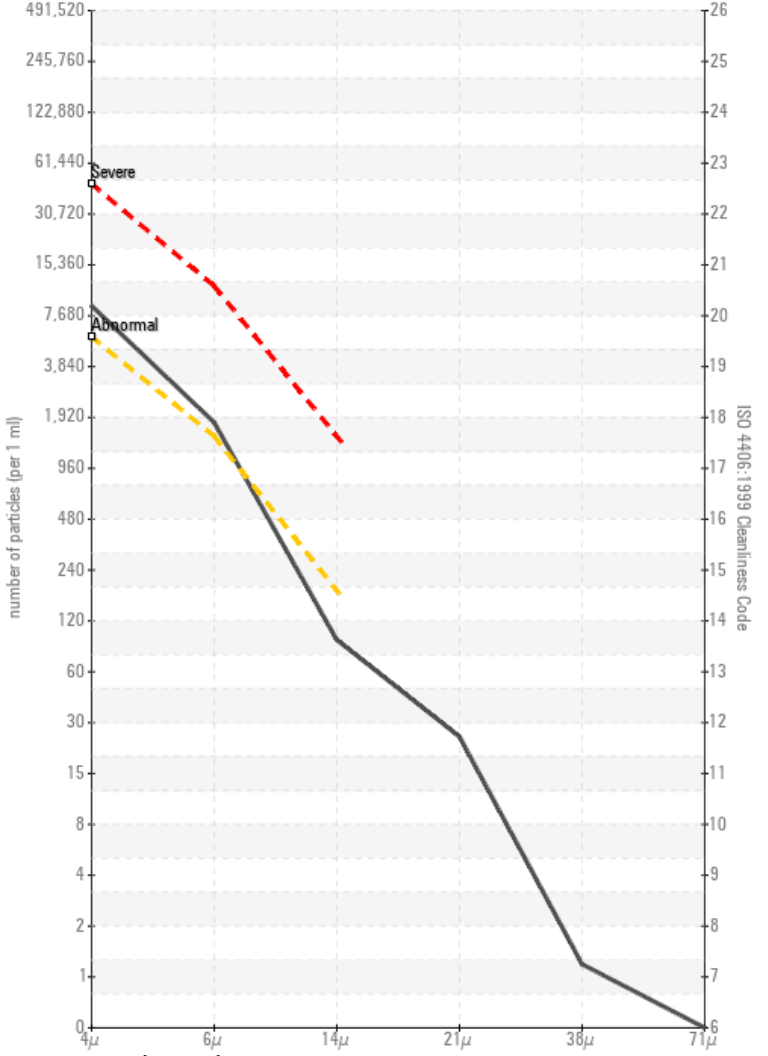
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

