



CONSTRUCTION EQUIPMENT

VOLVO L180H L180H 5273 - HYDRAULIC SYSTEM



Sample No: VCP0007952

Oil Type: AW HYDRAULIC OIL ISO 46

Job No:



SAMPLE INFORMATION

Sample Number	VCP0007952	VCP0002550	---	---
Sample Date	28 Nov 2023	15 Nov 2022	---	---
Machine Hours	6248	0	---	---
Oil Hours	6248	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

ALTA EQUIPMENT COMPANY

8750 PHILIPS HWY
JACKSONVILLE, FL
US 32256

Contact: TECHNICIAN ACCOUNT
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T:
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OIL CONDITION

Visc @ 40°C	cSt	47.9	42.9	---	---
Acid Number (AN)	mg KOH/g	0.40	0.54	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		3322	2818	---	---
Particles >6µm		483	329	---	---
Particles >14µm		28	15	---	---
ISO 4406:1999 (c)		19/16/12	19/16/11	---	---
Silicon	ppm	2	5	---	---
Sodium	ppm	0	<1	---	---
Potassium	ppm	<1	0	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.

All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	0	1	---	---
Copper	ppm	<1	16	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	1	<1	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	207	67	---	---
Magnesium	ppm	5	0	---	---
Zinc	ppm	454	487	---	---
Phosphorus	ppm	357	376	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0092
Unique No: 10766000
Signed: Wes Davis
Report Date: 01 Dec 2023

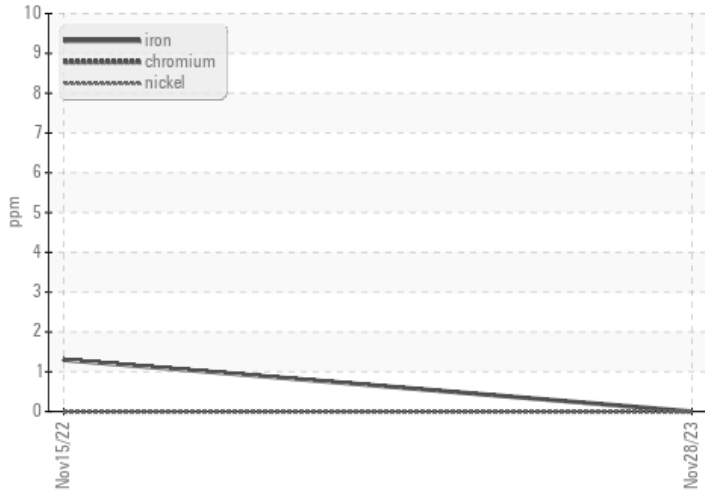


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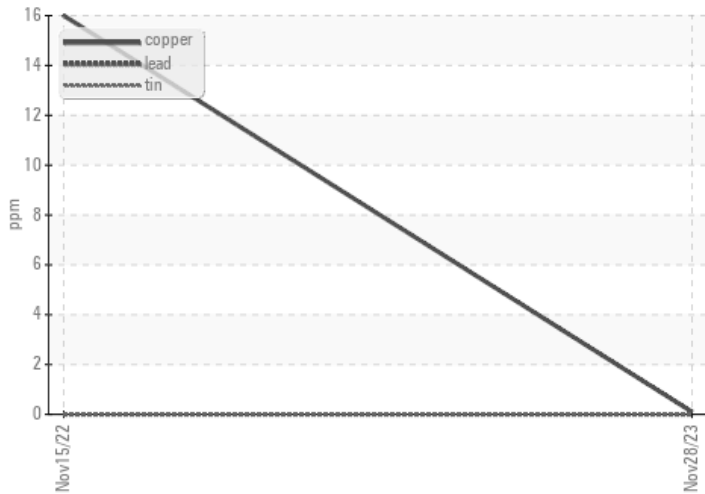


GRAPHS

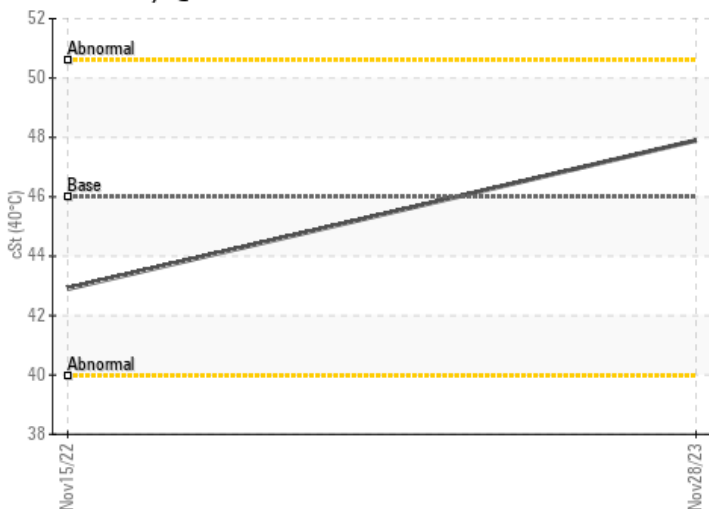
Ferrous Alloys



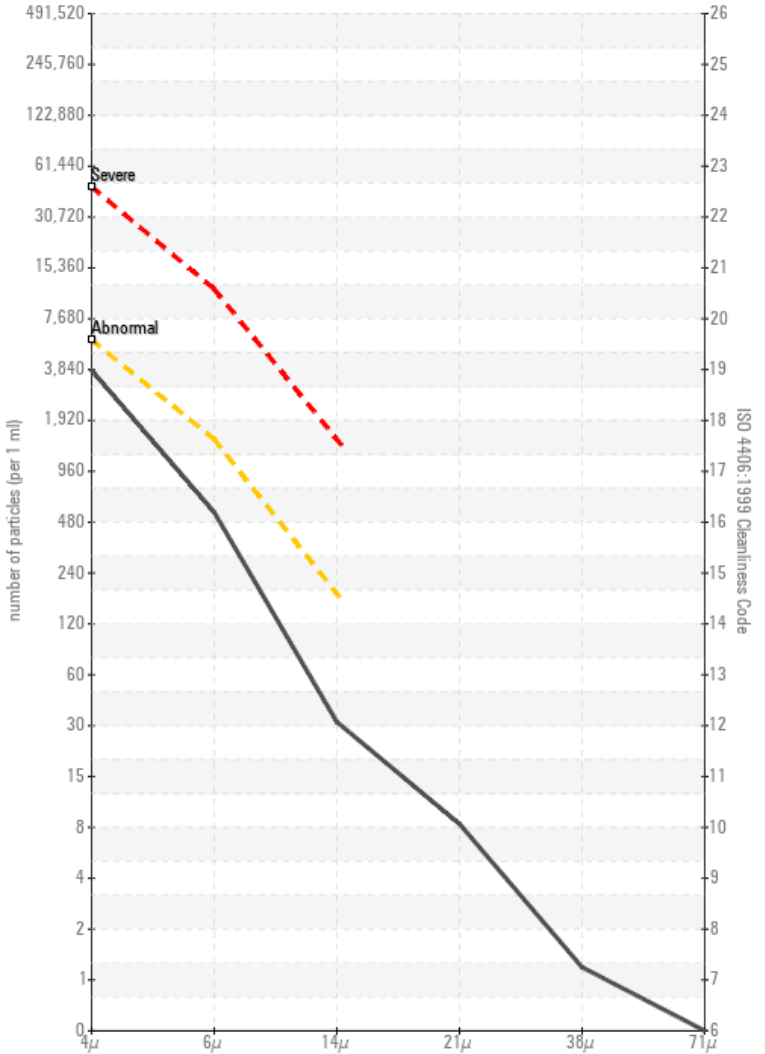
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

