



# CONSTRUCTION EQUIPMENT

HASLAN PONSSE A011052 - HYDRAULIC SYSTEM



**Sample No:** VCP424110  
**Oil Type:** NOT GIVEN  
**Job No:** HASLAN



## SAMPLE INFORMATION

Sample Number	VCP424110	---	---	---
Sample Date	20 Nov 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	▲ 102	---	---	---
Acid Number (AN)	mg KOH/g	■ 1.87	---	---	---

## CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 150518	---	---	---
Particles >6µm		▲ 79610	---	---	---
Particles >14µm		▲ 2271	---	---	---
ISO 4406:1999 (c)		24/23/18	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 0	---	---	---

## Diagnosis

We advise an early resample to confirm this situation. NOTE: one of two samples received with same ID and sampling date. DATA AND APPEARANCE INDICATE GEAR OIL. The iron level is abnormal. There is a high amount of particulates present in the oil. The oil viscosity is higher than normal. This plus the additive levels indicates a different brand, or type of oil.

## WEAR METALS

Iron	ppm	▲ 48	---	---	---
Copper	ppm	■ 6	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	7	---	---	---
Magnesium	ppm	51	---	---	---
Zinc	ppm	▲ 11	---	---	---
Phosphorus	ppm	▲ 1204	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	▲ 385	---	---	---

**Depot:** VOLVO0007  
**Unique No:** 10751460  
**Signed:** Doug Bogart  
**Report Date:** 07 Dec 2023

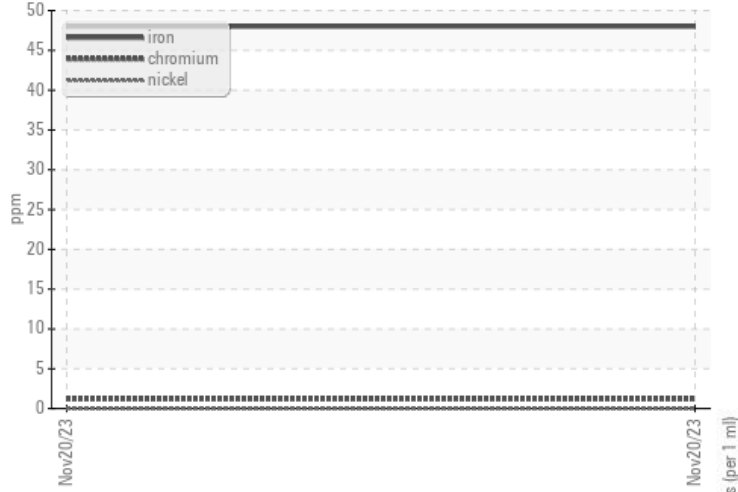


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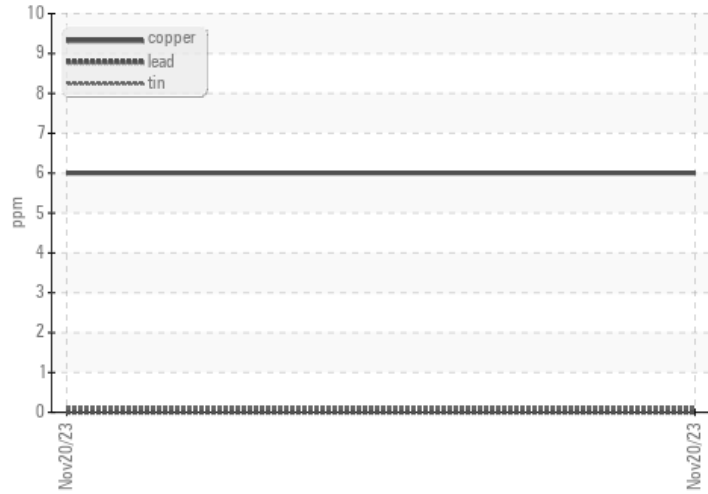


## GRAPHS

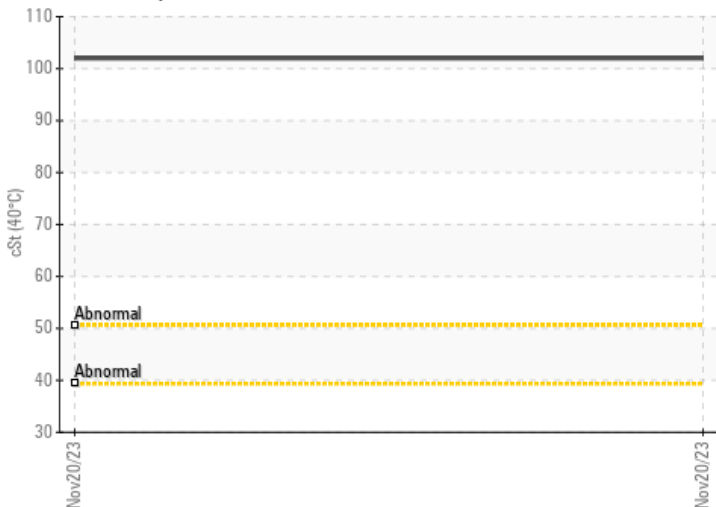
### ▲ Ferrous Alloys



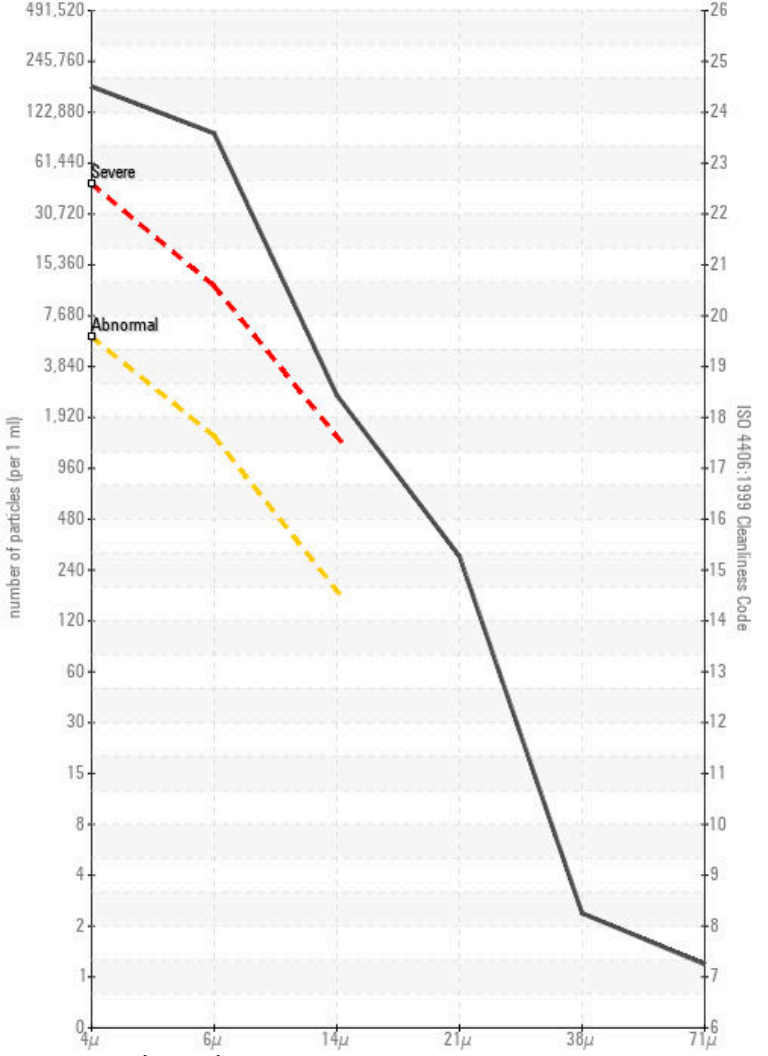
### Non-ferrous Metals



### ▲ Viscosity @ 40°C



### ▲ Particle Count



### Acid Number

