



# CONSTRUCTION EQUIPMENT

## SPM514287 MOEN TRANS VOLVO L120H 632758 - HYDRAULIC SYSTEM



**Sample No:** VCP404075  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SPM514287 MOEN TRANS



### SAMPLE INFORMATION

Sample Number	VCP404075	VCP379176	---	---
Sample Date	14 Feb 2023	13 Jun 2022	---	---
Machine Hours	5697	3981	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ATTENTION	ABNORMAL	---	---

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 DAVE.ENG@ALTG.COM  
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 F:



### OIL CONDITION

Visc @ 40°C	cSt	▲ 36.1	▲ 34.51	---	---
Acid Number (AN)	mg KOH/g	■ 0.29	■ 0.39	---	---



### CONTAMINATION

Particles >4µm		■ 4413	▲ 42050	---	---
Particles >6µm		■ 1090	▲ 1447	---	---
Particles >14µm		■ 92	■ 51	---	---
ISO 4406:1999 (c)		19/17/14	23/18/13	---	---
Silicon	ppm	■ 2	■ 2	---	---
Sodium	ppm	■ <1	■ 4	---	---
Potassium	ppm	■ 0	■ <1	---	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.



### WEAR METALS

Iron	ppm	■ 1	■ 10	---	---
Copper	ppm	■ 0	■ 3	---	---
Lead	ppm	■ 0	■ 1	---	---
Tin	ppm	■ 0	■ <1	---	---
Aluminum	ppm	■ 0	■ <1	---	---
Chromium	ppm	■ 2	■ 7	---	---
Molybdenum	ppm	■ <1	■ 2	---	---
Nickel	ppm	■ 0	■ 0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ <1	■ 0	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	■ 64	■ 101	---	---
Magnesium	ppm	■ <1	29	---	---
Zinc	ppm	■ 339	■ 463	---	---
Phosphorus	ppm	■ 288	■ 365	---	---
Barium	ppm	■ 0	■ <1	---	---
Boron	ppm	■ 0	■ 4	---	---

**Depot:** VOLVO8885  
**Unique No:** 10359682  
**Signed:** Don Baldrige  
**Report Date:** 02 Mar 2023

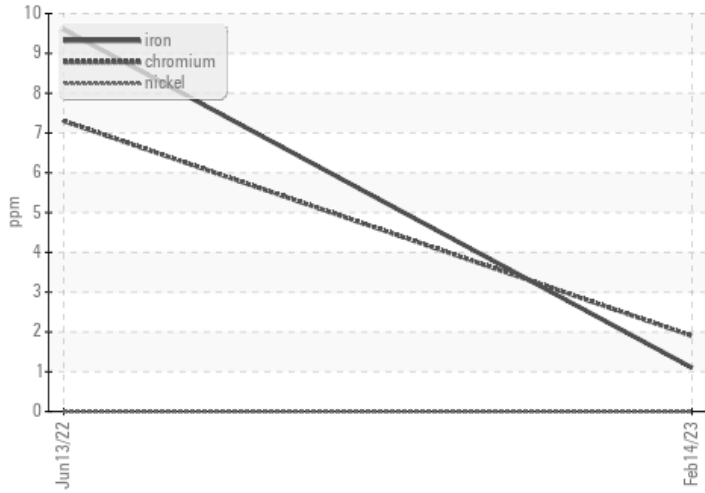


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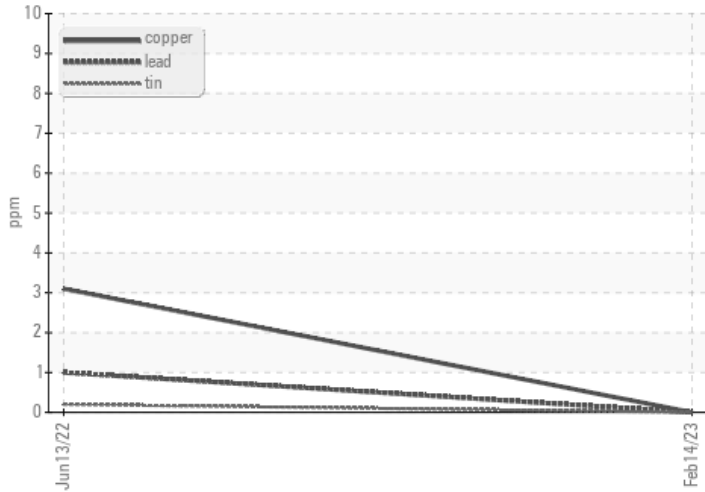


## VOLVO GRAPHS

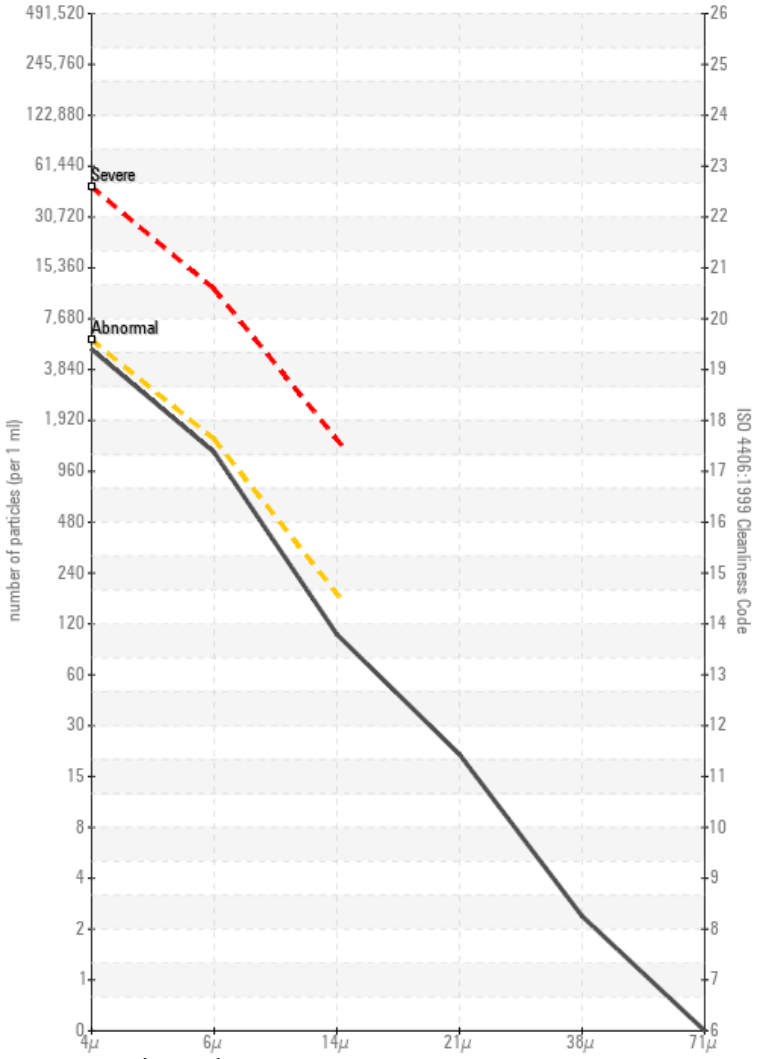
### Ferrous Alloys



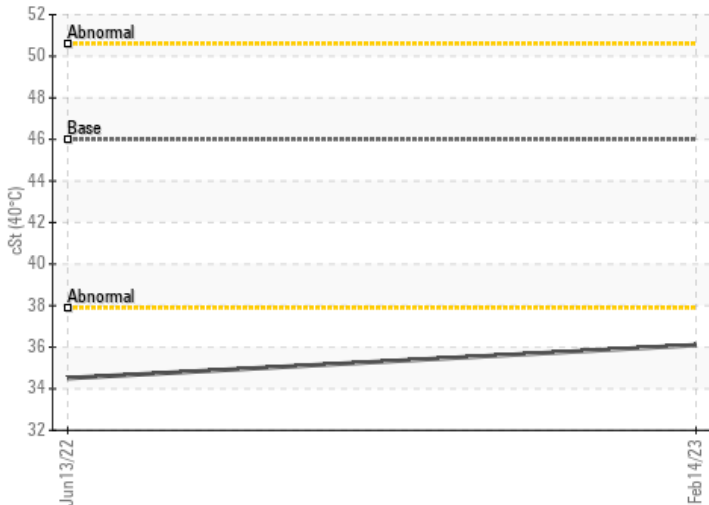
### Non-ferrous Metals



### Particle Count



### Viscosity @ 40°C



### Acid Number

