



# CONSTRUCTION EQUIPMENT

## A10585 VOLVO L110H 632525 - HYDRAULIC SYSTEM



**Sample No:** VCP396290  
**Oil Type:** MOBIL HYDRAULIC OIL AW 46  
**Job No:** A10585



### SAMPLE INFORMATION

Sample Number	VCP396290	---	---	---
Sample Date	22 Jun 2023	---	---	---
Machine Hours	975	---	---	---
Oil Hours	975	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

**HMR ASSOCIATES**  
 PO BOX 485  
 TOUGHKENAMON, PA  
 US 19374  
 Contact: SERVICE MANAGER



### OIL CONDITION

Visc @ 40°C	cSt	█ 42.9	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.34	---	---	---

T:  
 F: (610)268-2225



### CONTAMINATION

Particles >4µm		7758	---	---	---
Particles >6µm		█ 783	---	---	---
Particles >14µm		█ 40	---	---	---
ISO 4406:1999 (c)		20/17/12	---	---	---
Silicon	ppm	█ <1	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



### WEAR METALS

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



### ADDITIVES

Calcium	ppm	59	---	---	---
Magnesium	ppm	█ 5	---	---	---
Zinc	ppm	█ 428	---	---	---
Phosphorus	ppm	█ 335	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

**Depot:** HMRTOU  
**Unique No:** 10537039  
**Signed:** Don Baldrige  
**Report Date:** 03 Jul 2023

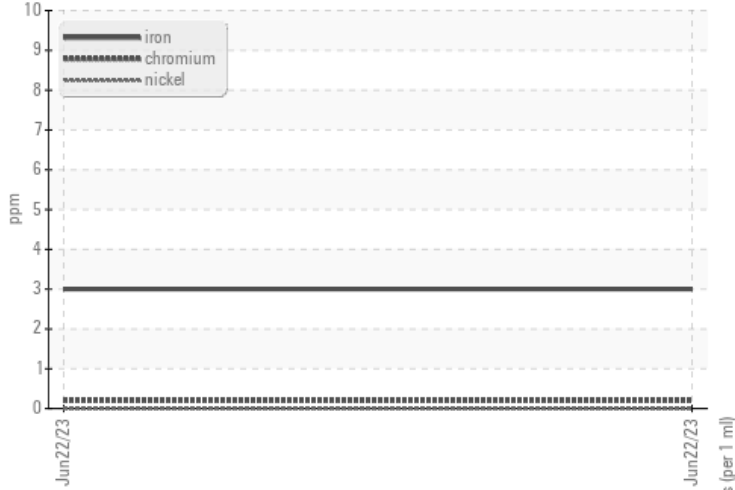


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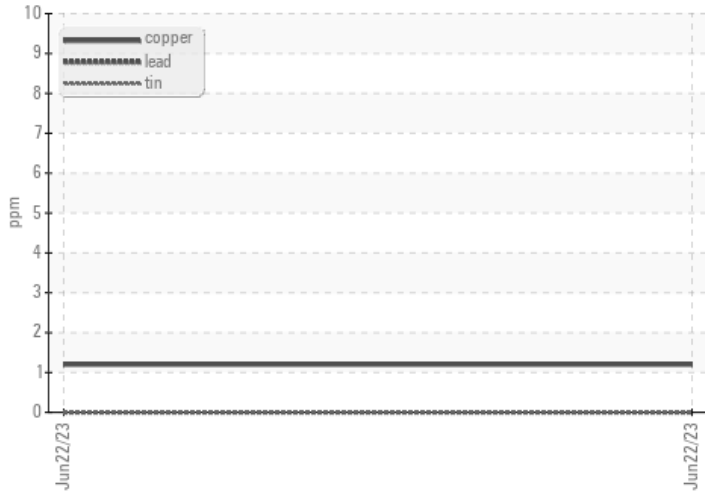


## GRAPHS

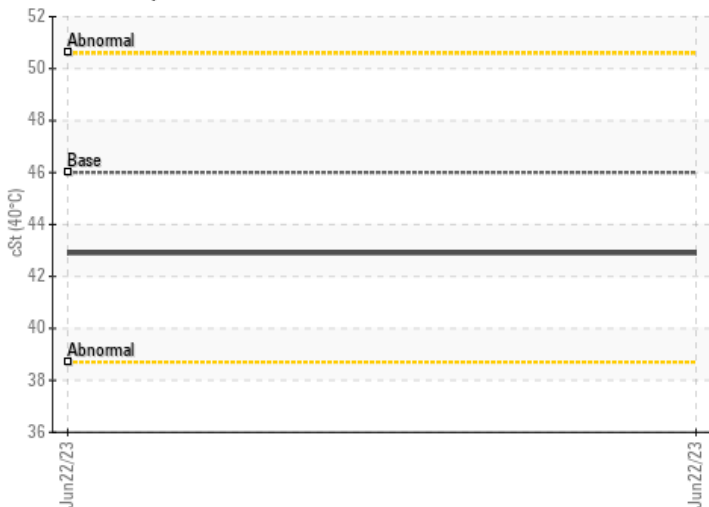
### Ferrous Alloys



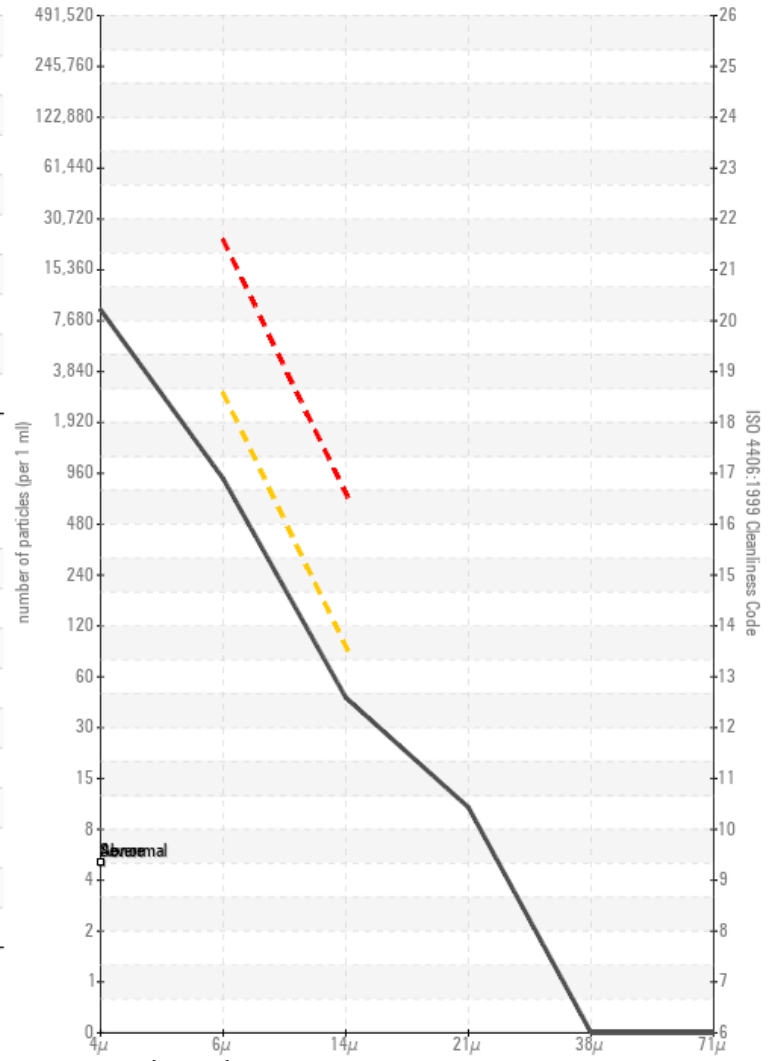
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

