



# CONSTRUCTION EQUIPMENT

TRADE MARK METAL VOLVO L120H 633418 - TRANSMISSION (AUTO)



**Sample No:** VCP445568  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** TRADE MARK METAL



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
 8418 PALM RIVER ROAD  
 TAMPA, FL  
 US 33619  
 Contact: KENNY HANEY  
 khaney@flaglerce.com  
 T: (813)630-0077  
 F: (813)630-2233



## SAMPLE INFORMATION

Sample Number	VCP445568	VCP438849	---	---
Sample Date	08 Jul 2024	28 Jun 2024	---	---
Machine Hours	1267	1267	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---



## OIL CONDITION

Visc @ 40°C	cSt	█ 28.72	█ 42.9	---	---
Acid Number (AN)	mg KOH/g	---	█ 0.38	---	---



## CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 9	█ 2	---	---
Sodium	ppm	█ <1	█ 1	---	---
Potassium	ppm	█ 2	█ <1	---	---



## WEAR METALS

Iron	ppm	█ 29	█ 4	---	---
Copper	ppm	█ 5	█ 3	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 2	█ 0	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ <1	█ 0	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	█ <1	0	---	---
Manganese	ppm	█ 5	█ 0	---	---
Vanadium	ppm	<1	0	---	---



## ADDITIVES

Calcium	ppm	█ 64	█ 79	---	---
Magnesium	ppm	█ 2	█ 4	---	---
Zinc	ppm	█ 12	█ 418	---	---
Phosphorus	ppm	█ 155	█ 325	---	---
Barium	ppm	█ 3	█ 0	---	---
Boron	ppm	█ 85	█ 0	---	---

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

**Depot:** VOLVO0093  
**Unique No:** 11114157  
**Signed:** Jonathan Hester  
**Report Date:** 11 Jul 2024

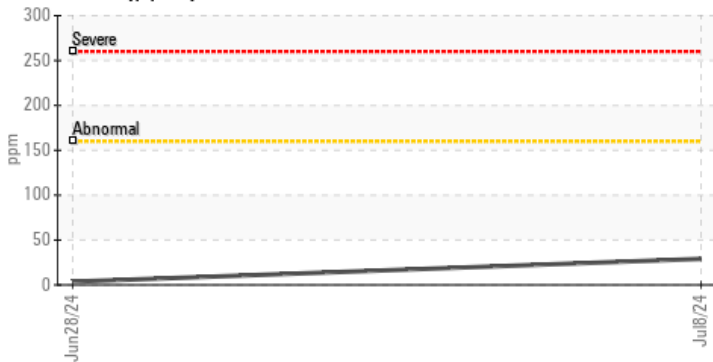


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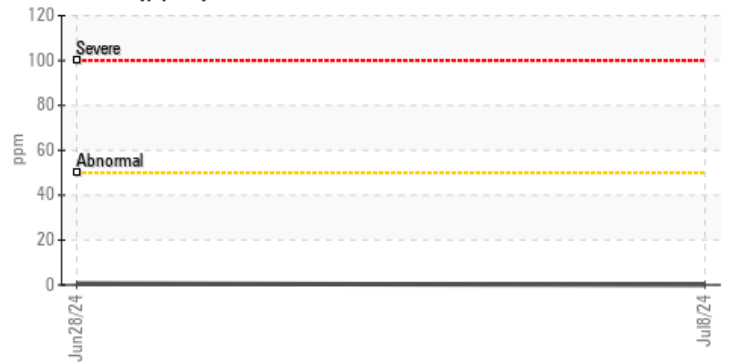


## GRAPHS

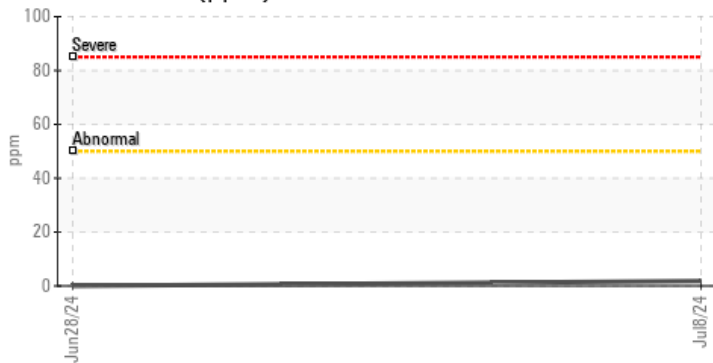
### Iron (ppm)



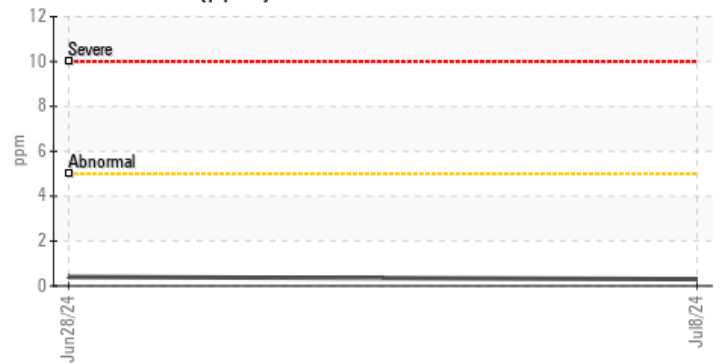
### Lead (ppm)



### Aluminum (ppm)



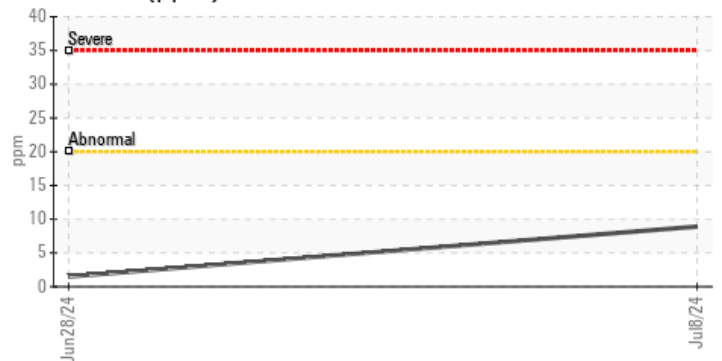
### Chromium (ppm)



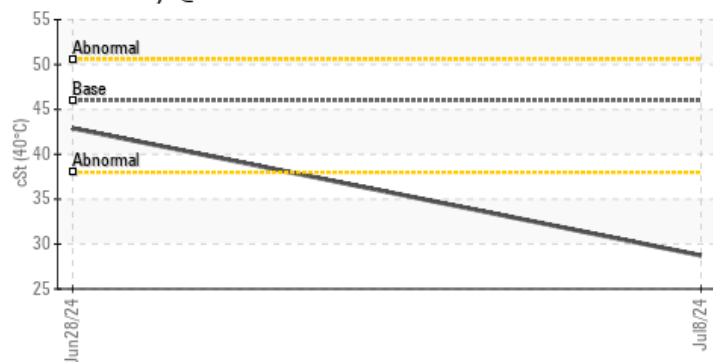
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

