



# CONSTRUCTION EQUIPMENT

W07013042 VOLVO L90H 624937 - HYDRAULIC SYSTEM



**Sample No:** VCP407995  
**Oil Type:** MOBIL HYDRAULIC OIL AW 46  
**Job No:** W07013042



## SAMPLE INFORMATION

Sample Number	VCP407995	---	---	---
Sample Date	31 Aug 2023	---	---	---
Machine Hours	4797	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**McClung-Logan Virginia LLC- RICHMOND**  
 1345 MOUNTAIN ROAD  
 GLEN ALLEN, VA  
 US 23060  
 Contact: KYLE RATLIFFE  
 KRATLIFFE@MCCLUNG-LOGAN.COM  
 T:  
 F: (804)266-1611

## OIL CONDITION

Visc @ 40°C	cSt	█ 41.1	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.35	---	---	---

## CONTAMINATION

Water	%	█ 0.128	---	---	---
Particles >4µm		█ 1148	---	---	---
Particles >6µm		█ 626	---	---	---
Particles >14µm		█ 106	---	---	---
ISO 4406:1999 (c)		17/16/14	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ <1	---	---	---

## Diagnosis

Resample at the next service interval to monitor. 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	█ 3	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	█ 161	---	---	---
Magnesium	ppm	█ 23	---	---	---
Zinc	ppm	█ 484	---	---	---
Phosphorus	ppm	█ 374	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 3	---	---	---

**Depot:** VOLVO8882  
**Unique No:** 10646727  
**Signed:** Wes Davis  
**Report Date:** 19 Sep 2023

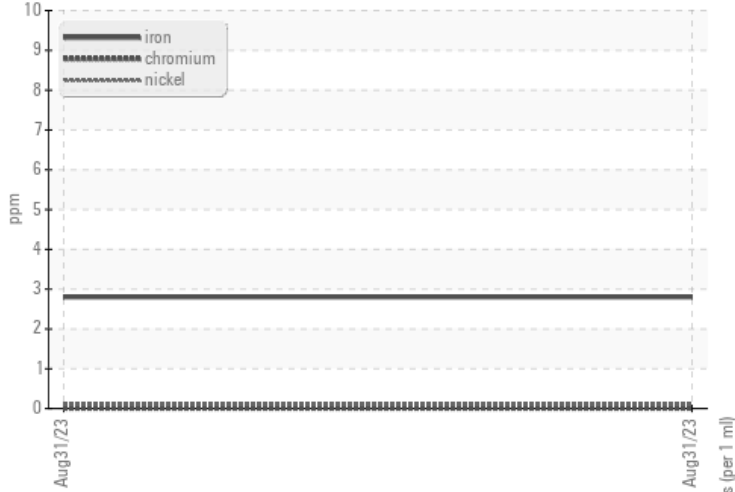


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## GRAPHS

### Ferrous Alloys



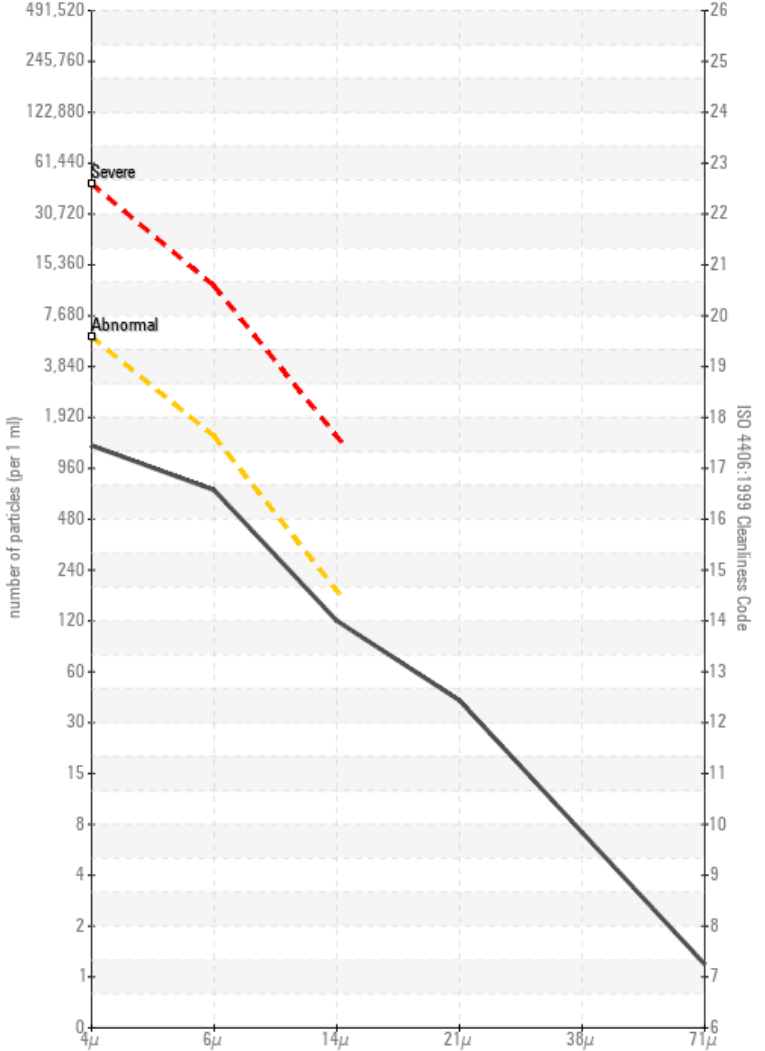
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

