



# CONSTRUCTION EQUIPMENT

632549 ASH GROVE VOLVO L180 5492 - HYDRAULIC SYSTEM



**Sample No:** VCP432922  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 632549 ASH GROVE



## SAMPLE INFORMATION

Sample Number	VCP432922	---	---	---
Sample Date	02 Nov 2023	---	---	---
Machine Hours	12219	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
 9601 BOGGY CREEK RD  
 ORLANDO, FL  
 US 32824  
 Contact: Robert LaPlante  
 robert.laplante@altg.com  
 T: (407)508-9736  
 F: (407)659-8720



## OIL CONDITION

Visc @ 40°C	cSt	█ 41.5	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.37	---	---	---



## CONTAMINATION

Particles >4µm		▲ 5366	---	---	---
Particles >6µm		█ 1104	---	---	---
Particles >14µm		█ 60	---	---	---
ISO 4406:1999 (c)		20/17/13	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ <1	---	---	---

## Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present 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	█ 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 70	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 433	---	---	---
Phosphorus	ppm	█ 336	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

**Depot:** VOLVO0096  
**Unique No:** 10728815  
**Signed:** Wes Davis  
**Report Date:** 08 Nov 2023

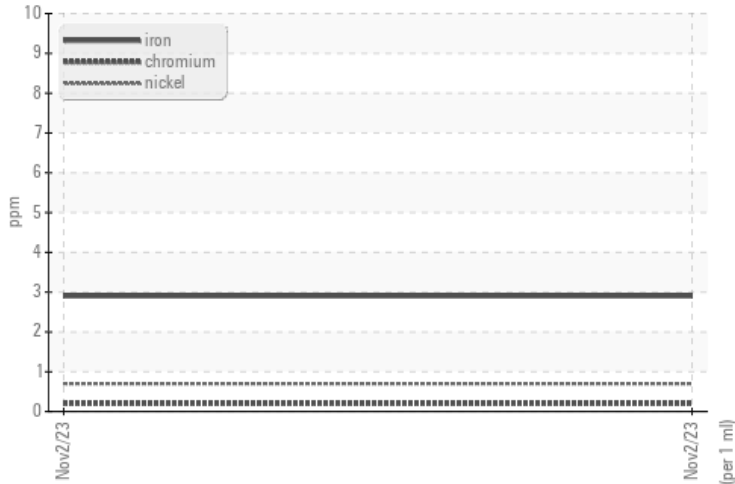


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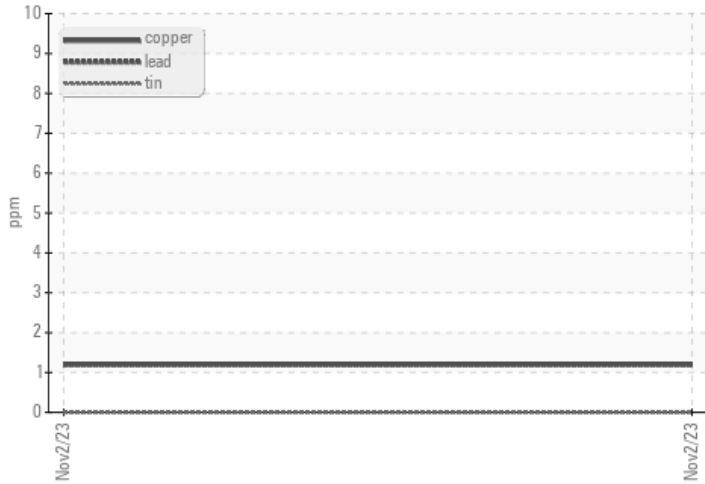


## GRAPHS

### Ferrous Alloys



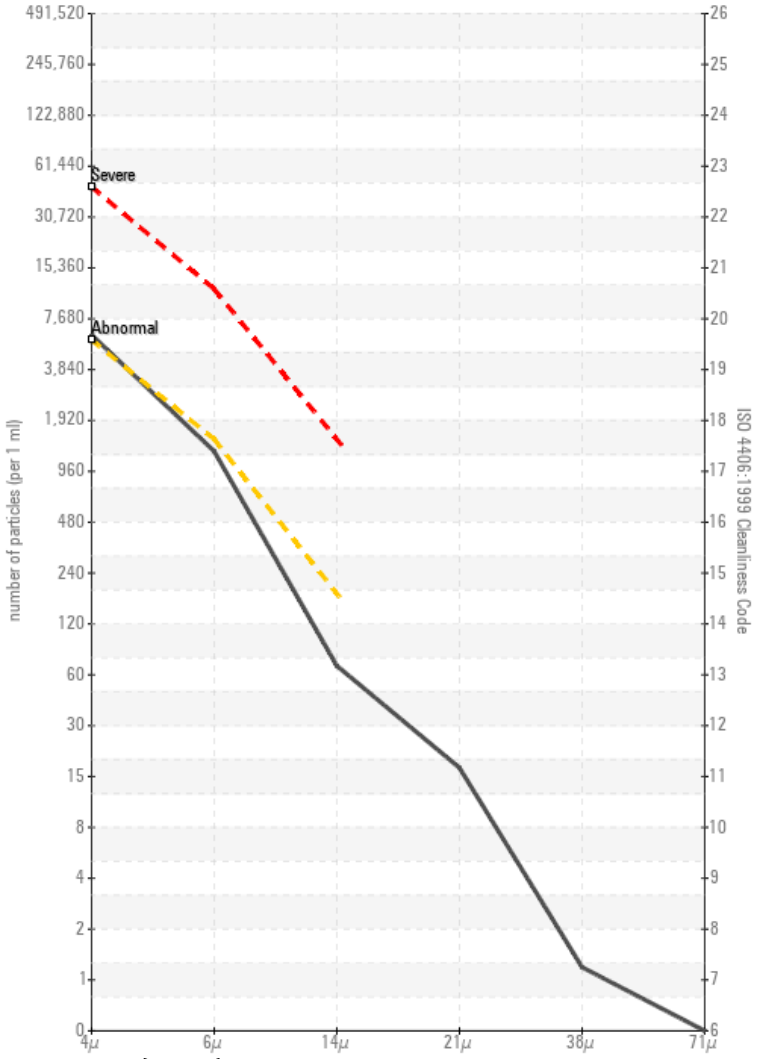
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

