



# CONSTRUCTION EQUIPMENT

## 5480 352150 - HYDRAULIC SYSTEM



**Sample No:** VCP392989  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 5480



### SAMPLE INFORMATION

Sample Number	VCP392989	---	---	---
Sample Date	15 Apr 2024	---	---	---
Machine Hours	5936	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

**GREAT WEST EQUIPMENT**  
 1600 KOSMINA ROAD, 123 L&A CROSS RD  
 VERNON, BC  
 CA V1T 8T2  
 Contact: Sarah Lawrence  
 slawrence@gwequipment.com  
 T: (866)627-2357  
 F: (250)549-3397



### OIL CONDITION

Visc @ 40°C	cSt	█ 41.1	---	---	---
-------------	-----	--------	-----	-----	-----



### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 5407	---	---	---
Particles >6µm		█ 380	---	---	---
Particles >14µm		█ 8	---	---	---
ISO 4406:1999 (c)		20/16/10	---	---	---
Silicon	ppm	▲ 22	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---

### Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The oil is no longer serviceable due to the presence of contaminants.



### WEAR METALS

Iron	ppm	█ 17	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	14	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 70	---	---	---
Magnesium	ppm	█ 4	---	---	---
Zinc	ppm	█ 408	---	---	---
Phosphorus	ppm	█ 314	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ <1	---	---	---

**Depot:** MARVER  
**Unique No:** 5763739  
**Signed:** Kevin Marson  
**Report Date:** 23 Apr 2024

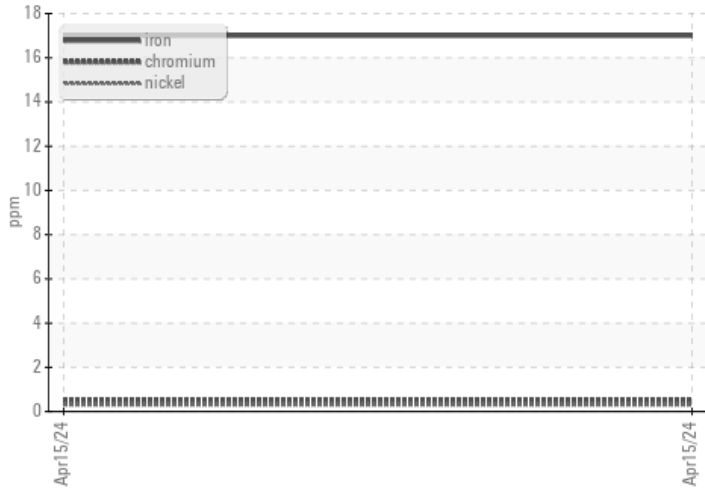


# CONSTRUCTION EQUIPMENT

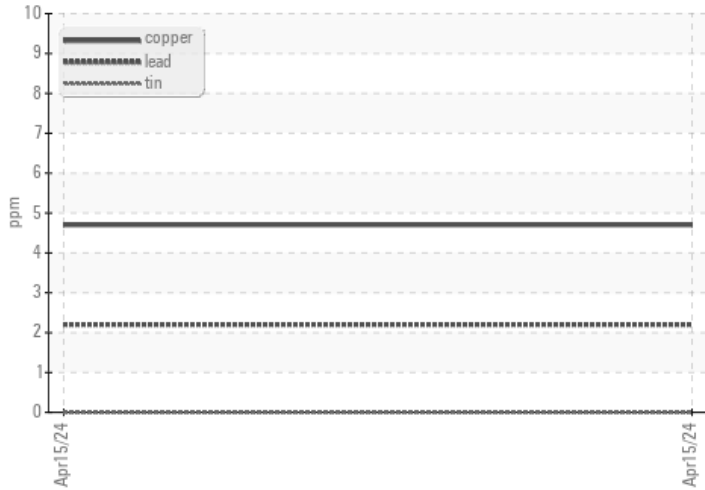


## VOLVO GRAPHS

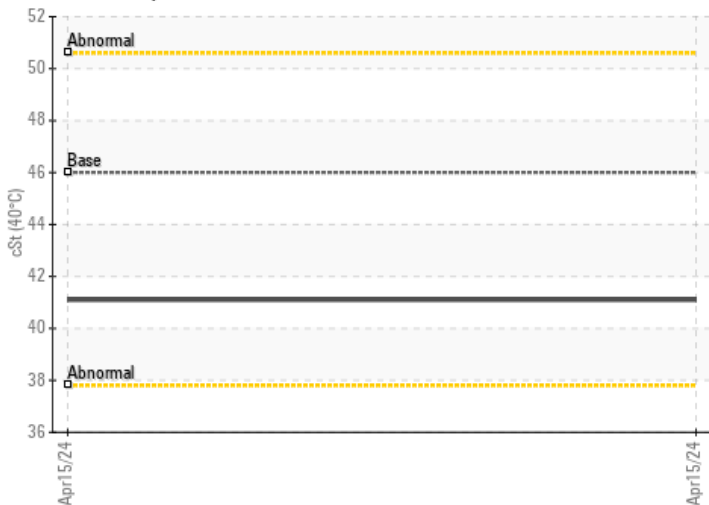
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count

