



# CONSTRUCTION EQUIPMENT

## 700466 GLE VOLVO EC380 314125 - HYDRAULIC SYSTEM



**Sample No:** VCP436400  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 700466 GLE



**ALTA EQUIPMENT COMPANY - METRO WEST**  
 56195 PONTIAC TRAIL  
 NEW HUDSON, MI  
 US 48165  
 Contact: PAUL CONZ  
 paul.conz@altg.com  
 T: (313)348-8861  
 F: (248)356-2029



### SAMPLE INFORMATION

Sample Number	<b>VCP436400</b>	VCP371929	---	---
Sample Date	<b>16 Apr 2024</b>	19 Sep 2022	---	---
Machine Hours	<b>4941</b>	2888	---	---
Oil Hours	<b>941</b>	3000	---	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	---	---
Sample Status	<b>ABNORMAL</b>	NORMAL	---	---



### OIL CONDITION

Visc @ 40°C	cSt	<b>41.8</b>	41.1	---	---
Acid Number (AN)	mg KOH/g	<b>0.43</b>	0.49	---	---



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Particles >4µm		<b>67403</b>	18278	---	---
Particles >6µm		<b>34406</b>	2537	---	---
Particles >14µm		<b>4202</b>	178	---	---
ISO 4406:1999 (c)		<b>23/22/19</b>	21/19/15	---	---
Silicon	ppm	<b>&lt;1</b>	2	---	---
Sodium	ppm	<b>1</b>	1	---	---
Potassium	ppm	<b>0</b>	<1	---	---



### WEAR METALS

Iron	ppm	<b>3</b>	4	---	---
Copper	ppm	<b>3</b>	12	---	---
Lead	ppm	<b>0</b>	<1	---	---
Tin	ppm	<b>0</b>	<1	---	---
Aluminum	ppm	<b>0</b>	<1	---	---
Chromium	ppm	<b>2</b>	4	---	---
Molybdenum	ppm	<b>1</b>	1	---	---
Nickel	ppm	<b>0</b>	0	---	---
Titanium	ppm	<b>0</b>	0	---	---
Silver	ppm	<b>0</b>	1	---	---
Manganese	ppm	<b>0</b>	0	---	---
Vanadium	ppm	<b>0</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>213</b>	205	---	---
Magnesium	ppm	<b>3</b>	6	---	---
Zinc	ppm	<b>473</b>	492	---	---
Phosphorus	ppm	<b>355</b>	389	---	---
Barium	ppm	<b>0</b>	3	---	---
Boron	ppm	<b>4</b>	1	---	---

### Diagnosis

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

**Depot:** VOLVO2990  
**Unique No:** 10996800  
**Signed:** Wes Davis  
**Report Date:** 29 Apr 2024

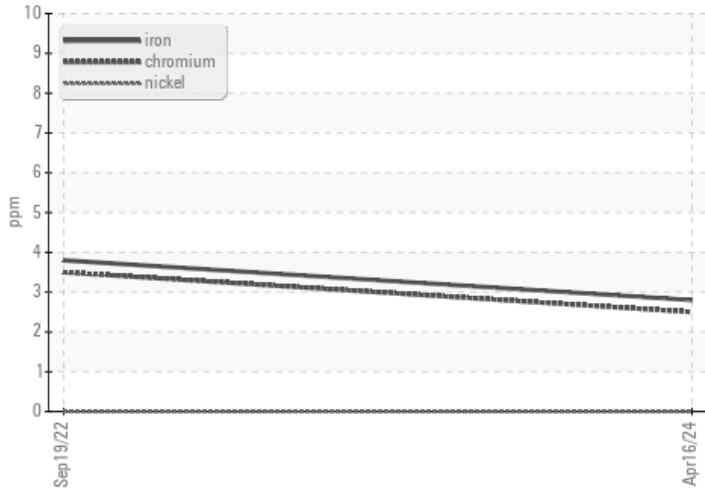


# CONSTRUCTION EQUIPMENT

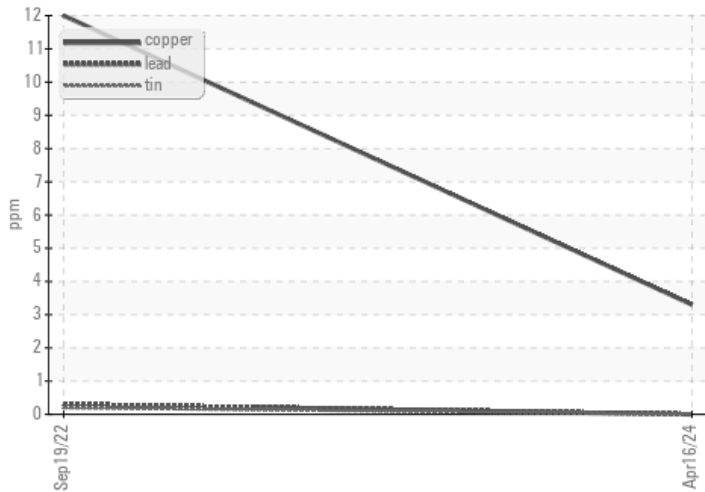


## GRAPHS

### Ferrous Alloys



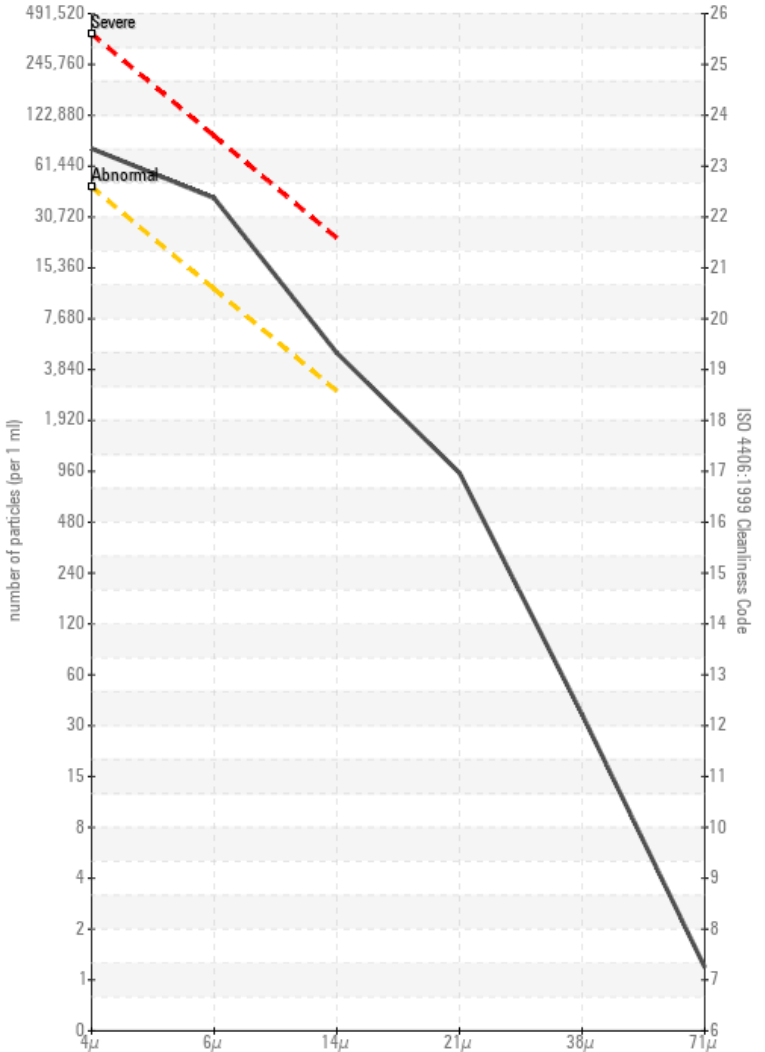
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

