



# CONSTRUCTION EQUIPMENT

## RYAN GOLF VOLVO EC480 314824 - HYDRAULIC SYSTEM



**Sample No:** VCP432073  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** RYAN GOLF



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
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### SAMPLE INFORMATION

Sample Number	VCP432073	VCP375974	---	---
Sample Date	05 Dec 2023	06 Aug 2022	---	---
Machine Hours	0	653	---	---
Oil Hours	0	1500	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---



### OIL CONDITION

Visc @ 40°C	cSt	41.5	42.7	---	---
Acid Number (AN)	mg KOH/g	0.42	0.48	---	---



### CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		160111	100579	---	---
Particles >6µm		55539	24227	---	---
Particles >14µm		397	764	---	---
ISO 4406:1999 (c)		25/23/16	24/22/17	---	---
Silicon	ppm	8	5	---	---
Sodium	ppm	1	0	---	---
Potassium	ppm	0	0	---	---



### WEAR METALS

Iron	ppm	1	2	---	---
Copper	ppm	37	19	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	<1	1	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	39	99	---	---
Magnesium	ppm	0	0	---	---
Zinc	ppm	394	542	---	---
Phosphorus	ppm	379	425	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	<1	---	---

### Diagnosis

We recommend you service the filters on this component. 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:** VOLVO0093  
**Unique No:** 10776126  
**Signed:** Wes Davis  
**Report Date:** 07 Dec 2023

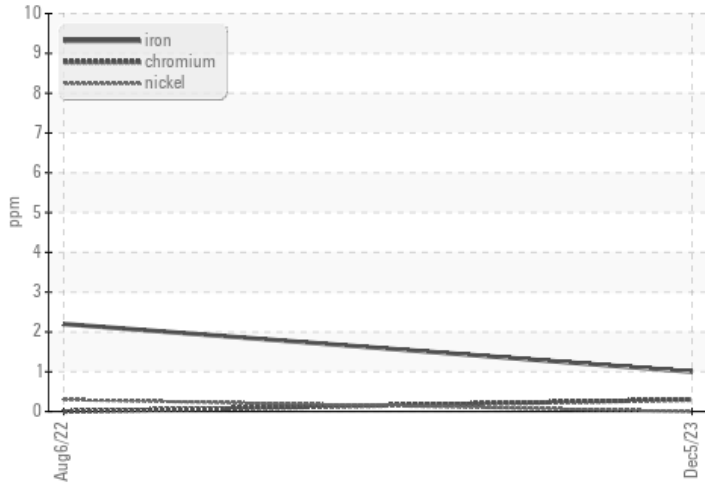


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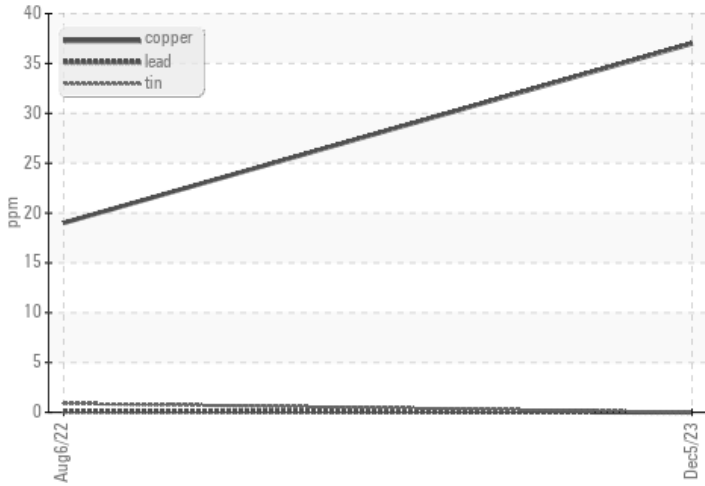


## VOLVO GRAPHS

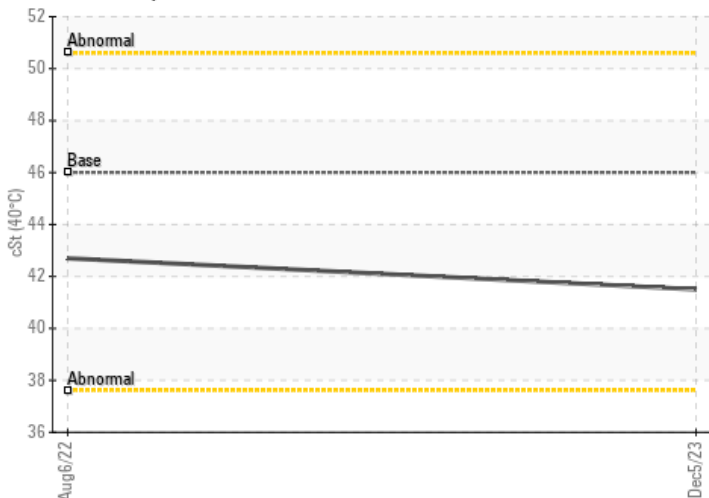
### Ferrous Alloys



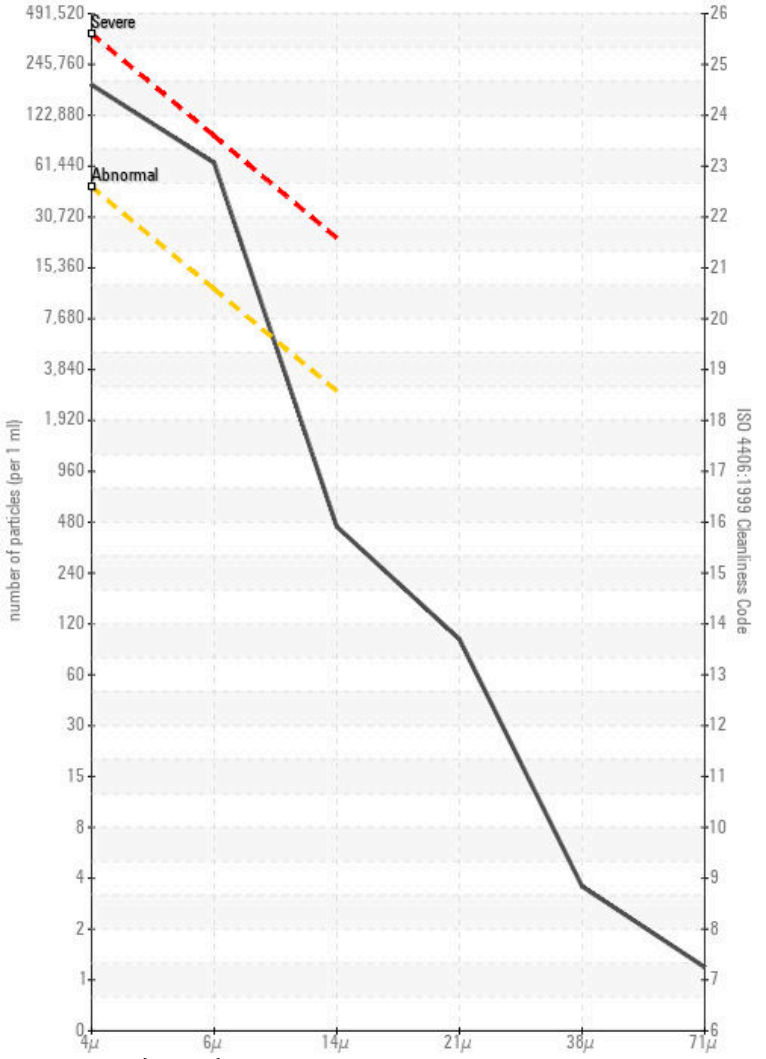
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

