



# CONSTRUCTION EQUIPMENT

## RYAN GOLF VOLVO EC480EL 314823 - HYDRAULIC SYSTEM



**Sample No:** VCP440904  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** RYAN GOLF



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
 8418 PALM RIVER ROAD  
 TAMPA, FL  
 US 33619  
 Contact: KENNY HANEY  
 khaney@flaglerce.com  
 T: (813)630-0077  
 F: (813)630-2233

### SAMPLE INFORMATION

Sample Number	VCP440904	---	---	---
Sample Date	19 Feb 2024	---	---	---
Machine Hours	3737	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

### OIL CONDITION

Visc @ 40°C	cSt	40.7	---	---	---
Acid Number (AN)	mg KOH/g	0.54	---	---	---

### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		18825	---	---	---
Particles >6µm		4998	---	---	---
Particles >14µm		367	---	---	---
ISO 4406:1999 (c)		21/19/16	---	---	---
Silicon	ppm	6	---	---	---
Sodium	ppm	1	---	---	---
Potassium	ppm	0	---	---	---

### WEAR METALS

Iron	ppm	4	---	---	---
Copper	ppm	26	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	<1	---	---	---

### ADDITIVES

Calcium	ppm	79	---	---	---
Magnesium	ppm	<1	---	---	---
Zinc	ppm	456	---	---	---
Phosphorus	ppm	365	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	<1	---	---	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

**Depot:** VOLVO0093  
**Unique No:** 10900655  
**Signed:** Don Baldrige  
**Report Date:** 29 Feb 2024

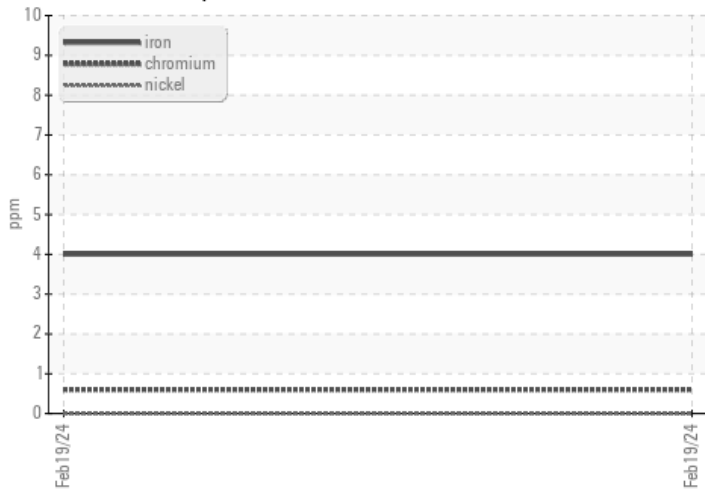


# CONSTRUCTION EQUIPMENT

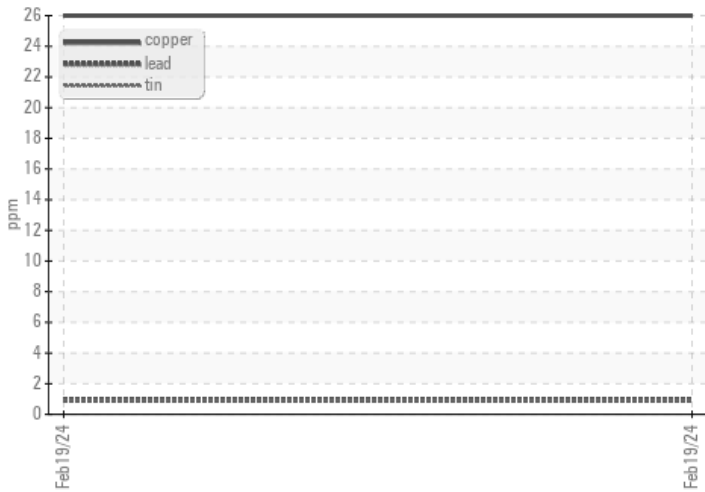


## GRAPHS

### Ferrous Alloys



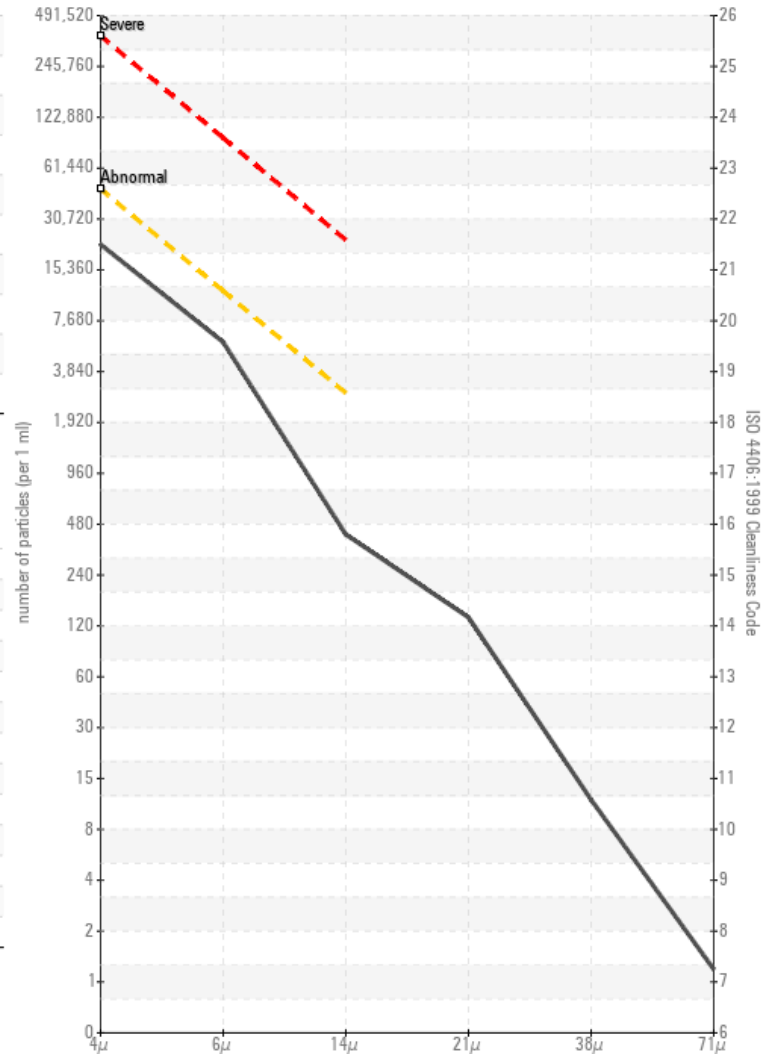
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

