



# CONSTRUCTION EQUIPMENT

634846 RYAN GOLF VOLVO A45G 352377 - WET DISC BRAKE



**Sample No:** VCP433446  
**Oil Type:** VOLVO WB 102  
**Job No:** 634846 RYAN GOLF



## SAMPLE INFORMATION

Sample Number	VCP433446	VCP345930	---	---
Sample Date	05 Dec 2023	04 Feb 2022	---	---
Machine Hours	4150	1992	---	---
Oil Hours	4150	0	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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



## OIL CONDITION

Visc @ 40°C	cSt	41.0	41.6	---	---
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## CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	23	25	---	---
Sodium	ppm	<1	6	---	---
Potassium	ppm	3	2	---	---

## Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. The copper level is abnormal. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	34	45	---	---
Copper	ppm	298	155	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	1	5	---	---
Chromium	ppm	<1	2	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	8	6	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	2	2	---	---
Vanadium	ppm	0	0	---	---



## ADDITIVES

Calcium	ppm	3287	3891	---	---
Magnesium	ppm	9	5	---	---
Zinc	ppm	1508	1430	---	---
Phosphorus	ppm	1141	1342	---	---
Barium	ppm	0	0	---	---
Boron	ppm	127	130	---	---

**Depot:** VOLVO0093  
**Unique No:** 10846426  
**Signed:** Don Baldrige  
**Report Date:** 26 Jan 2024

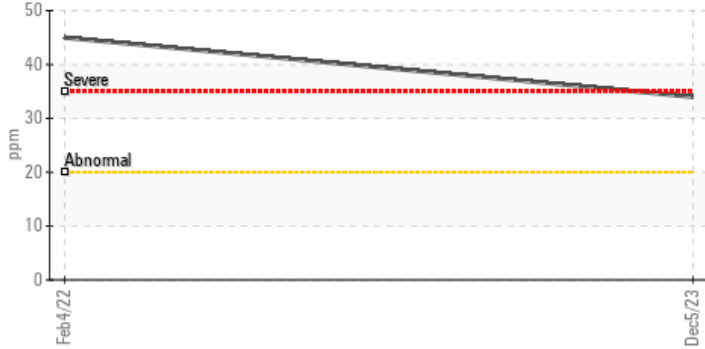


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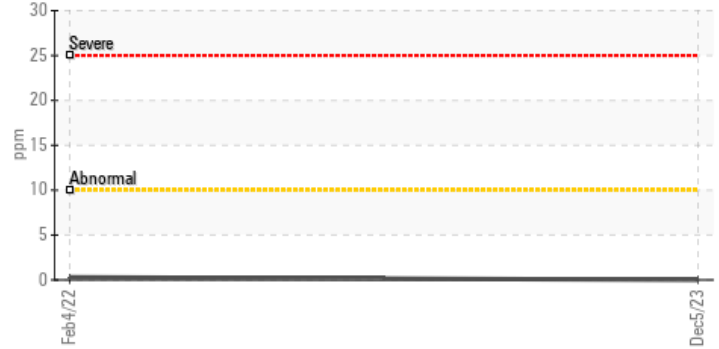


## GRAPHS

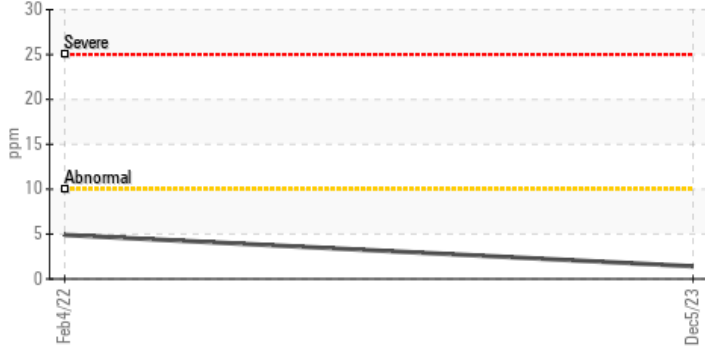
### ▲ Iron (ppm)



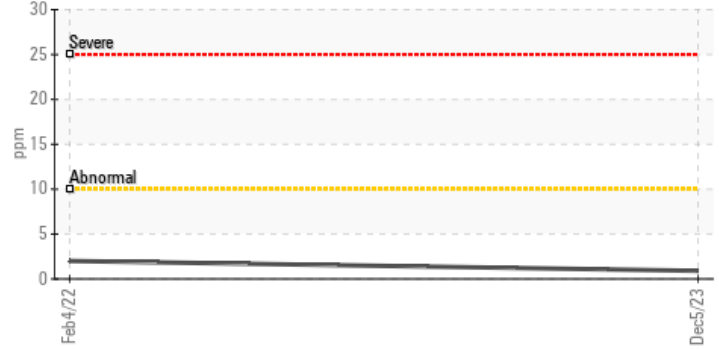
### Lead (ppm)



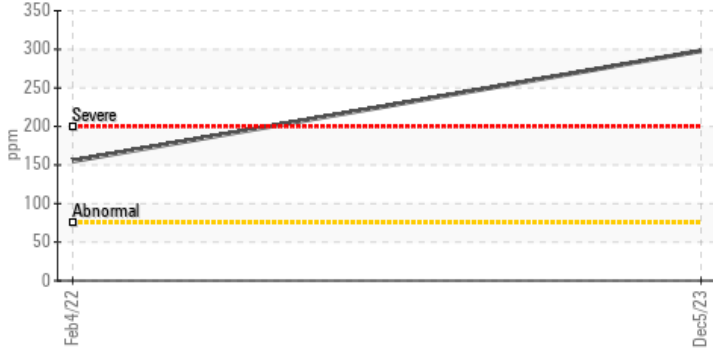
### Aluminum (ppm)



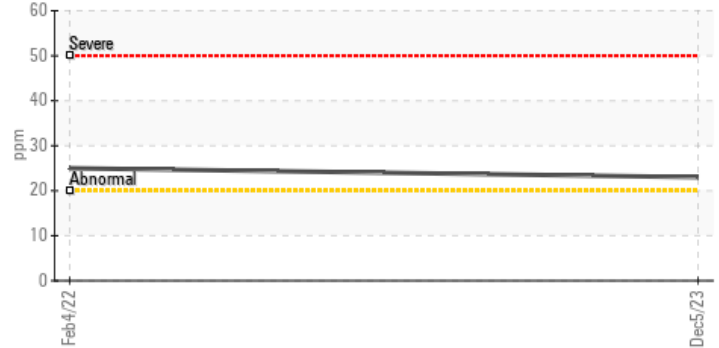
### Chromium (ppm)



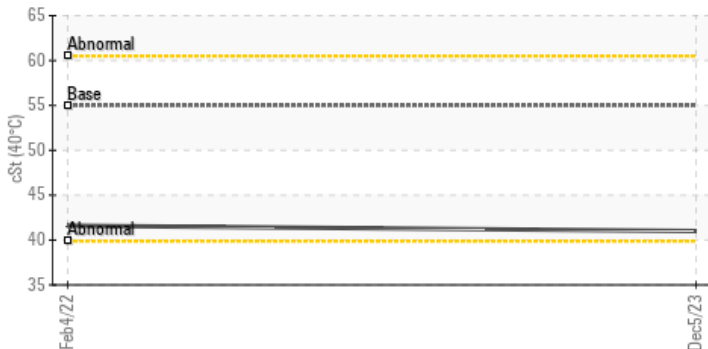
### ▲ Copper (ppm)



### ▲ Silicon (ppm)



### Viscosity @ 40°C



### Additives

