



# CONSTRUCTION EQUIPMENT

## 55630 VOLVO SD115B 236555 - HYDRAULIC SYSTEM



**Sample No:** VCP284933  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 55630



### SAMPLE INFORMATION

Sample Number	<b>VCP284933</b>	VCP269939	---	---
Sample Date	<b>06 Aug 2020</b>	09 Mar 2020	---	---
Machine Hours	<b>3841</b>	2324	---	---
Oil Hours	<b>1600</b>	2324	---	---
Oil Changed	<b>Not Chngd</b>	Changed	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---

### RIPA AND ASSOCIATES

10149 FISHER AVENUE  
TAMPA, FL  
US 33619  
Contact: ROBERT TURNER  
rturner@ripatampa.com  
T:  
F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>43.4</b>	43.0	---	---
Acid Number (AN)	mg KOH/g	<b>0.414</b>	0.193	---	---



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Particles >4µm		<b>2149</b>	8656	---	---
Particles >6µm		<b>621</b>	1814	---	---
Particles >14µm		<b>25</b>	50	---	---
ISO 4406:1999 (c)		<b>18/16/12</b>	20/18/13	---	---
Silicon	ppm	<b>3</b>	4	---	---
Sodium	ppm	<b>&lt;1</b>	2	---	---
Potassium	ppm	<b>&lt;1</b>	2	---	---

### 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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



### WEAR METALS

Iron	ppm	<b>30</b>	38	---	---
Copper	ppm	<b>5</b>	<1	---	---
Lead	ppm	<b>4</b>	10	---	---
Tin	ppm	<b>0</b>	<1	---	---
Aluminum	ppm	<b>7</b>	2	---	---
Chromium	ppm	<b>&lt;1</b>	<1	---	---
Molybdenum	ppm	<b>1</b>	<1	---	---
Nickel	ppm	<b>&lt;1</b>	0	---	---
Titanium	ppm	<b>0</b>	0	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>&lt;1</b>	1	---	---
Vanadium	ppm	<b>0</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>106</b>	119	---	---
Magnesium	ppm	<b>14</b>	0	---	---
Zinc	ppm	<b>349</b>	89	---	---
Phosphorus	ppm	<b>368</b>	443	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>5</b>	<1	---	---

**Depot:** RIPTAM  
**Unique No:** 9129877  
**Signed:** Don Baldrige  
**Report Date:** 12 Aug 2020

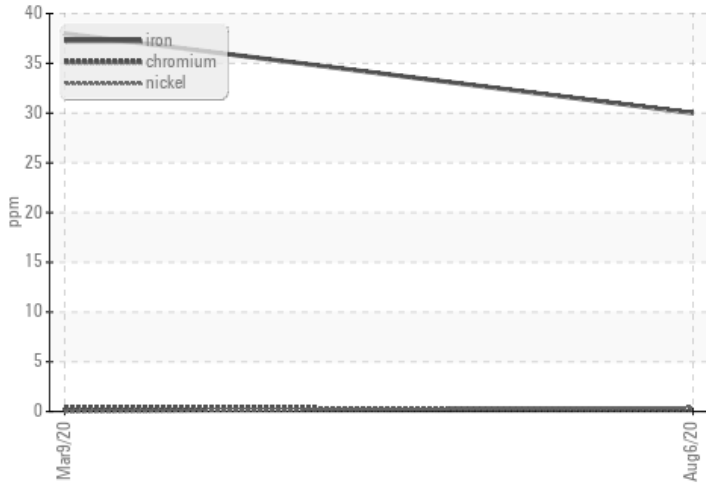


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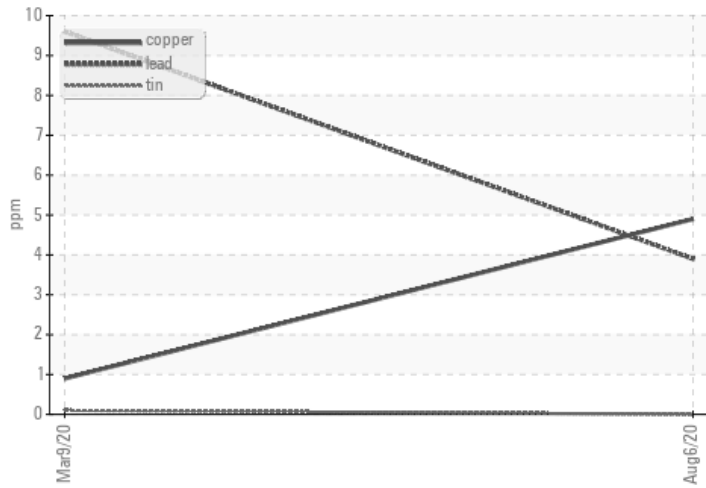


## GRAPHS

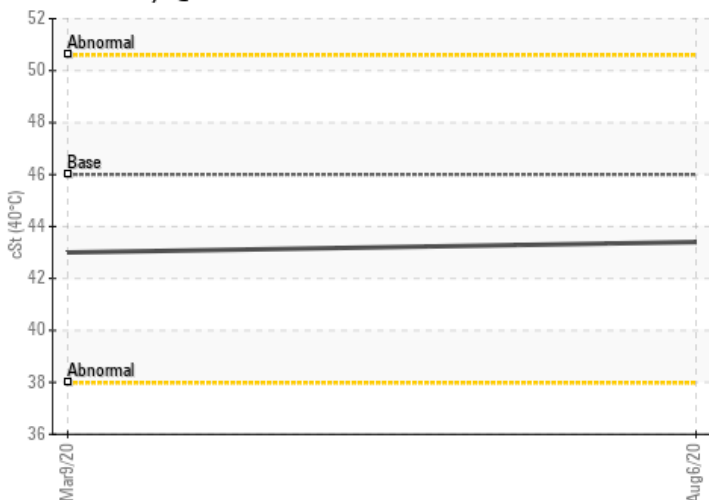
### Ferrous Alloys



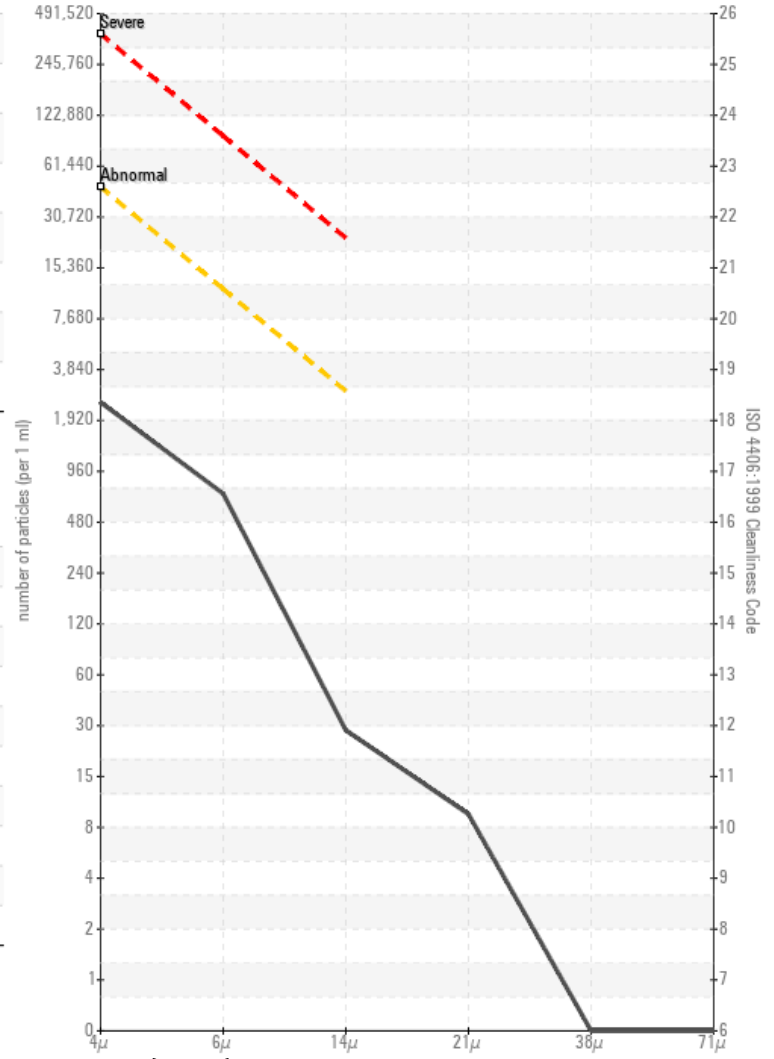
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

