



# CONSTRUCTION EQUIPMENT

## A12512 GEN ASPHALT VOLVO ECR235E 314290 - HYDRAULIC SYSTEM



**Sample No:** VCP446449  
**Oil Type:** MOBIL HYDRAULIC OIL AW 46  
**Job No:** A12512 GEN ASPHALT



### SAMPLE INFORMATION

Sample Number	<b>VCP446449</b>	VCP285549	---	---
Sample Date	<b>21 Apr 2024</b>	05 Oct 2020	---	---
Machine Hours	<b>2515</b>	730	---	---
Oil Hours	<b>2515</b>	730	---	---
Oil Changed	<b>Changed</b>	Not Changd	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---

**HOFFMAN EQUIPMENT - LIONVILLE**  
 120 GORDON DRIVE  
 LIONVILLE, PA  
 US 19341  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>43.2</b>	43.9	---	---
Acid Number (AN)	mg KOH/g	<b>0.52</b>	0.558	---	---



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Particles >4µm		<b>1819</b>	3794	---	---
Particles >6µm		<b>385</b>	299	---	---
Particles >14µm		<b>35</b>	29	---	---
ISO 4406:1999 (c)		<b>18/16/12</b>	19/15/12	---	---
Silicon	ppm	<b>3</b>	2	---	---
Sodium	ppm	<b>&lt;1</b>	0	---	---
Potassium	ppm	<b>0</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>4</b>	3	---	---
Copper	ppm	<b>27</b>	24	---	---
Lead	ppm	<b>0</b>	0	---	---
Tin	ppm	<b>0</b>	0	---	---
Aluminum	ppm	<b>0</b>	0	---	---
Chromium	ppm	<b>0</b>	0	---	---
Molybdenum	ppm	<b>0</b>	<1	---	---
Nickel	ppm	<b>0</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>76</b>	98	---	---
Magnesium	ppm	<b>0</b>	2	---	---
Zinc	ppm	<b>530</b>	598	---	---
Phosphorus	ppm	<b>391</b>	431	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>0</b>	0	---	---

**Depot:** VOLVO8879  
**Unique No:** 10996803  
**Signed:** Don Baldrige  
**Report Date:** 30 Apr 2024

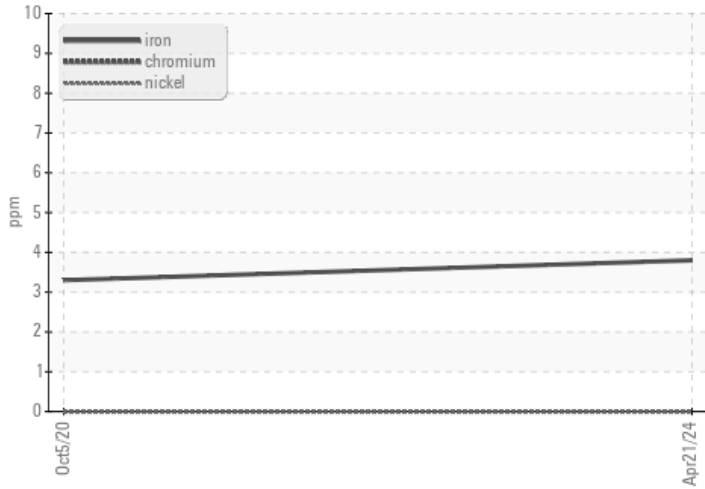


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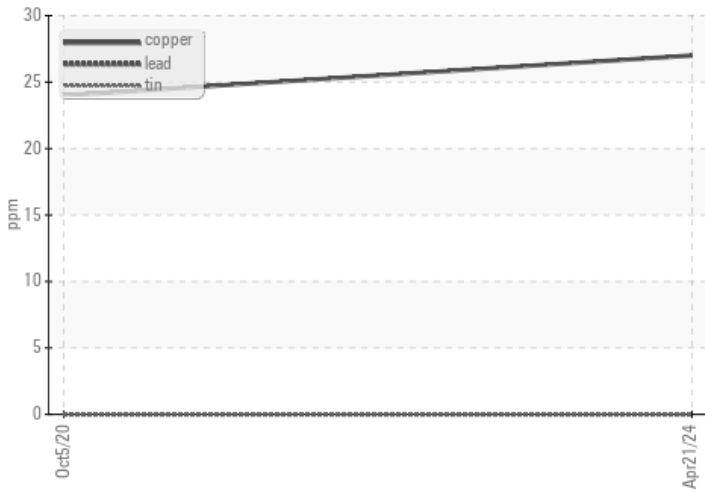


## GRAPHS

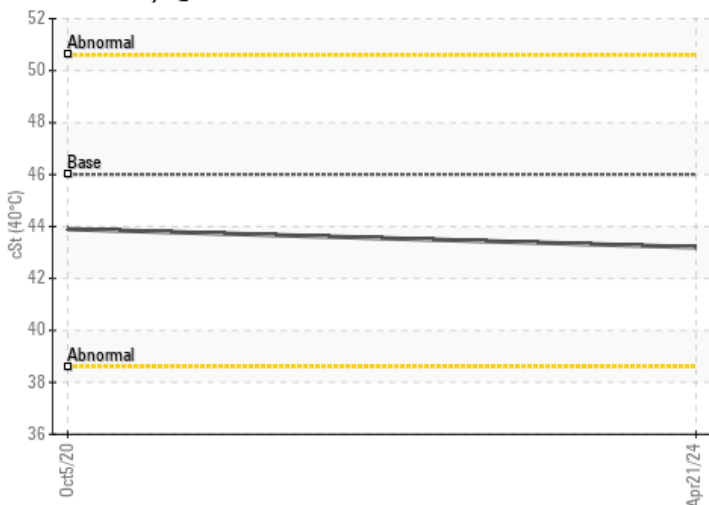
### Ferrous Alloys



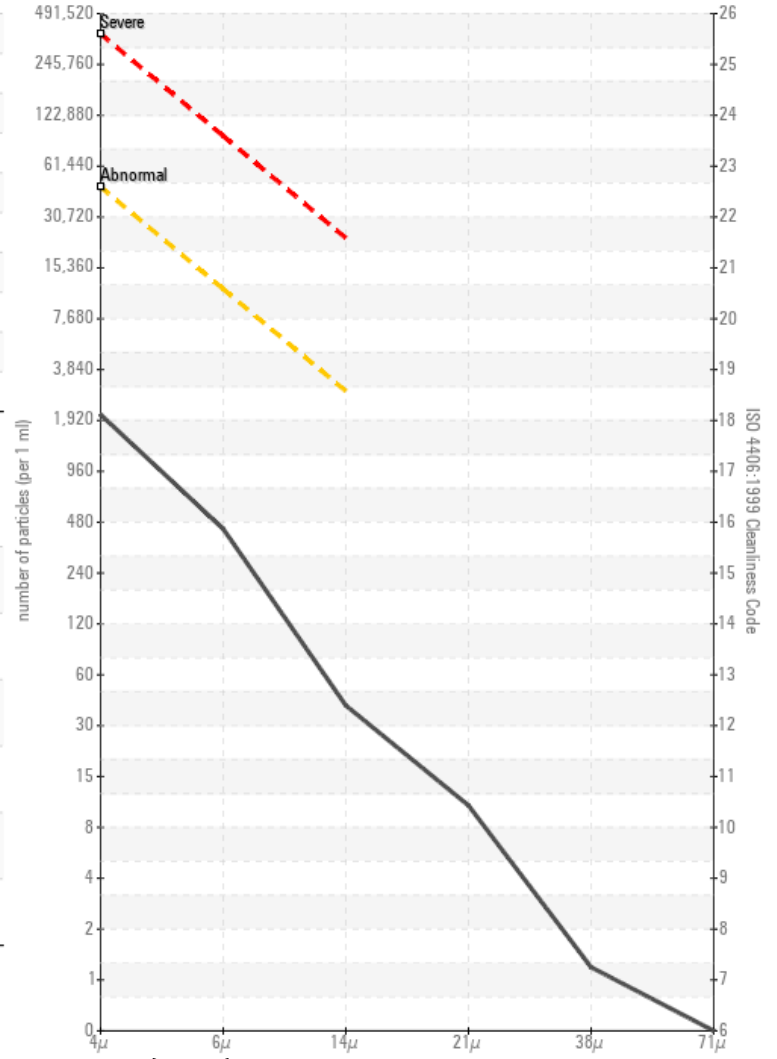
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

