



# CONSTRUCTION EQUIPMENT

## 730276 VOLVO ECR88D 212899 - HYDRAULIC SYSTEM



**Sample No:** VCP453540  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 730276



### SAMPLE INFORMATION

Sample Number	<b>VCP453540</b>	VCP341112	VCP254964	---
Sample Date	<b>18 Jun 2024</b>	16 Jun 2022	28 Aug 2019	---
Machine Hours	<b>5977</b>	3980	1897	---
Oil Hours	<b>2000</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	N/A	---
Sample Status	<b>ATTENTION</b>	ABNORMAL	ATTENTION	---

### BLAZE CONSTRUCTION

5640 ST JEAN ST  
 DETROIT, MI  
 US 48213  
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 T: (248)632-2317  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>42.8</b>	146	42.0	---
Acid Number (AN)	mg KOH/g	<b>0.22</b>	2.17	0.358	---



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Particles >4µm		<b>50549</b>	191446	73994	---
Particles >6µm		<b>12399</b>	124854	4581	---
Particles >14µm		<b>274</b>	4959	19	---
ISO 4406:1999 (c)		<b>23/21/15</b>	25/24/19	23/19/11	---
Silicon	ppm	<b>6</b>	4	4	---
Sodium	ppm	<b>0</b>	<1	<1	---
Potassium	ppm	<b>2</b>	0	<1	---

### Diagnosis

Oil and filter 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. 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 condition of the oil is suitable for further service.



### WEAR METALS

Iron	ppm	<b>13</b>	48	7	---
Copper	ppm	<b>12</b>	119	14	---
Lead	ppm	<b>1</b>	<1	<1	---
Tin	ppm	<b>&lt;1</b>	0	0	---
Aluminum	ppm	<b>3</b>	<1	<1	---
Chromium	ppm	<b>2</b>	<1	<1	---
Molybdenum	ppm	<b>4</b>	0	<1	---
Nickel	ppm	<b>&lt;1</b>	<1	0	---
Titanium	ppm	<b>&lt;1</b>	0	0	---
Silver	ppm	<b>&lt;1</b>	<1	0	---
Manganese	ppm	<b>1</b>	1	<1	---
Vanadium	ppm	<b>&lt;1</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>502</b>	17	115	---
Magnesium	ppm	<b>36</b>	<1	11	---
Zinc	ppm	<b>575</b>	98	442	---
Phosphorus	ppm	<b>482</b>	1844	348	---
Barium	ppm	<b>2</b>	0	<1	---
Boron	ppm	<b>5</b>	151	1	---

**Depot:** BLADET  
**Unique No:** 11089656  
**Signed:** Don Baldrige  
**Report Date:** 24 Jun 2024

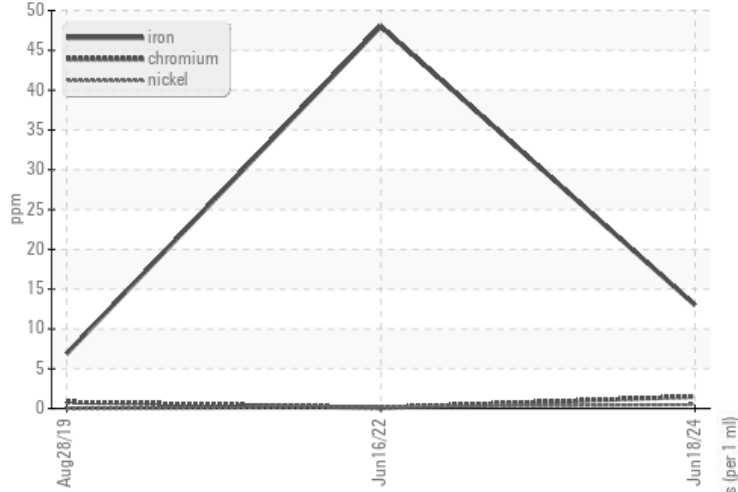


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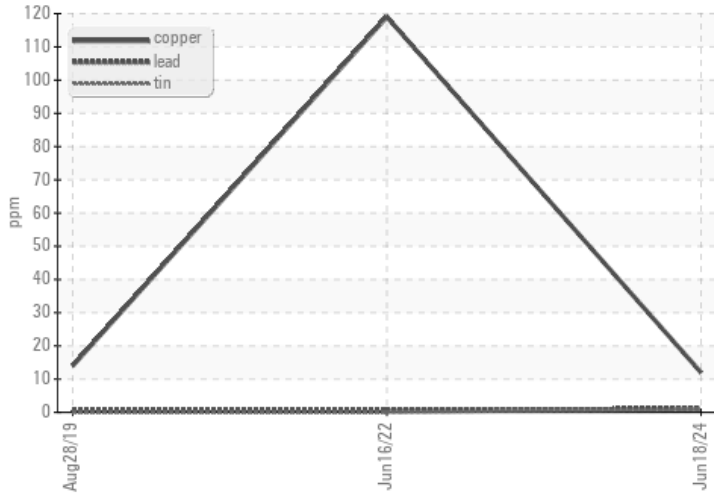


## GRAPHS

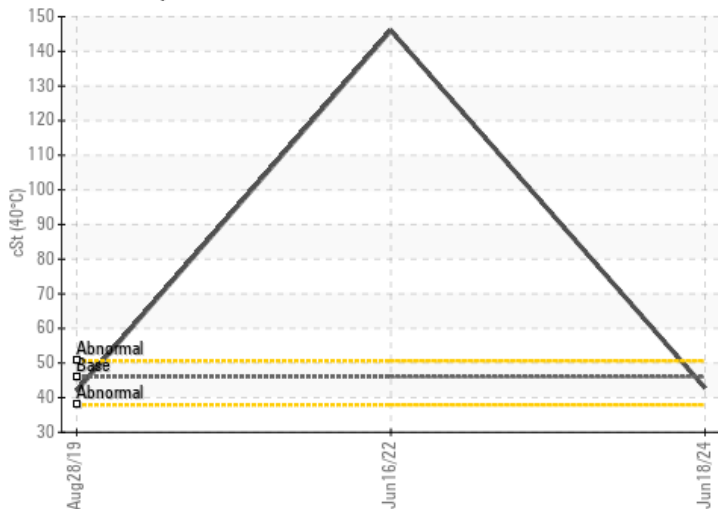
### Ferrous Alloys



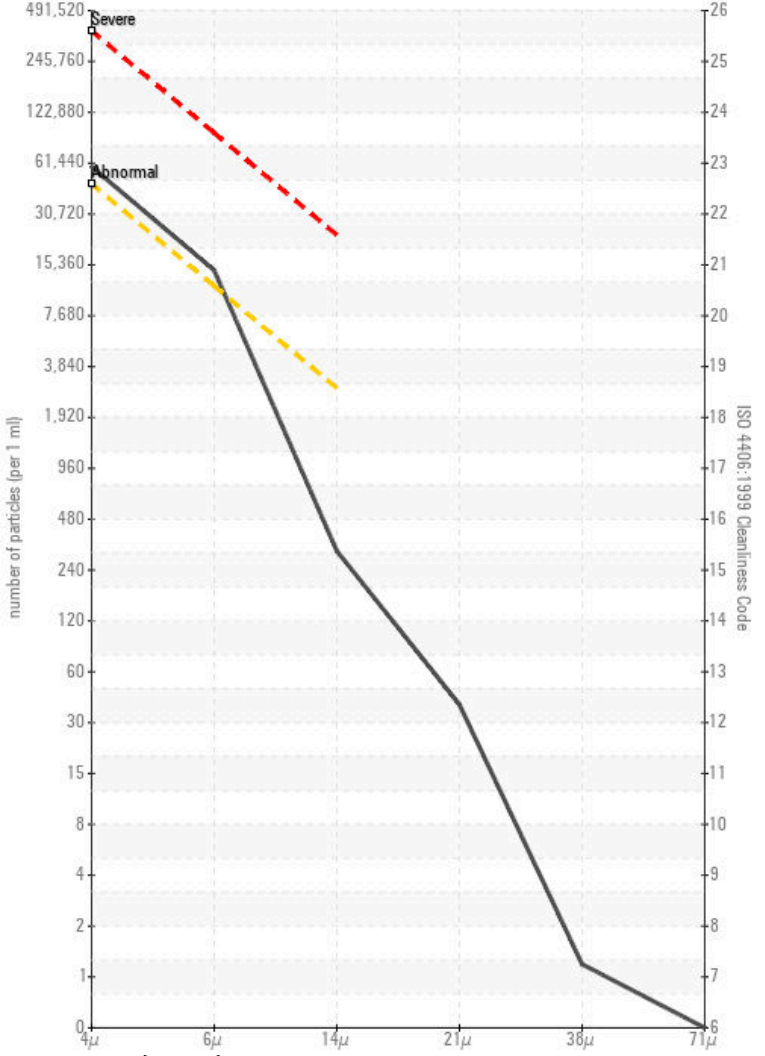
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

