



# CONSTRUCTION EQUIPMENT

## A10537 VOLVO EC480E 3 14800 - HYDRAULIC SYSTEM



**Sample No:** VCP404457  
**Oil Type:** MOBIL HYDRAULIC OIL AW 46  
**Job No:** A10537



### SAMPLE INFORMATION

Sample Number	<b>VCP404457</b>	VCP367449	---	---
Sample Date	<b>20 Jun 2023</b>	14 Nov 2022	---	---
Machine Hours	<b>1190</b>	590	---	---
Oil Hours	<b>1190</b>	590	---	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---

### K C CONSTRUCTION

1737 STOUT DRIVE  
 IVYLAND, PA  
 US 18974  
 Contact: DUKE D.  
 duked@kcconstruct.com  
 T: (267)784-7337  
 F: x:



### OIL CONDITION

Visc @ 40°C	cSt	<b>41.9</b>	42.5	---	---
Acid Number (AN)	mg KOH/g	<b>0.52</b>	0.45	---	---



### CONTAMINATION

Particles >4µm		<b>3213</b>	17086	---	---
Particles >6µm		<b>256</b>	2602	---	---
Particles >14µm		<b>9</b>	188	---	---
ISO 4406:1999 (c)		<b>19/15/10</b>	21/19/15	---	---
Silicon	ppm	<b>3</b>	3	---	---
Sodium	ppm	<b>1</b>	<1	---	---
Potassium	ppm	<b>&lt;1</b>	0	---	---

### 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>3</b>	3	---	---
Copper	ppm	<b>16</b>	13	---	---
Lead	ppm	<b>0</b>	<1	---	---
Tin	ppm	<b>0</b>	<1	---	---
Aluminum	ppm	<b>&lt;1</b>	<1	---	---
Chromium	ppm	<b>&lt;1</b>	<1	---	---
Molybdenum	ppm	<b>0</b>	0	---	---
Nickel	ppm	<b>0</b>	0	---	---
Titanium	ppm	<b>0</b>	0	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>0</b>	0	---	---
Vanadium	ppm	<b>0</b>	0	---	---



### ADDITIVES

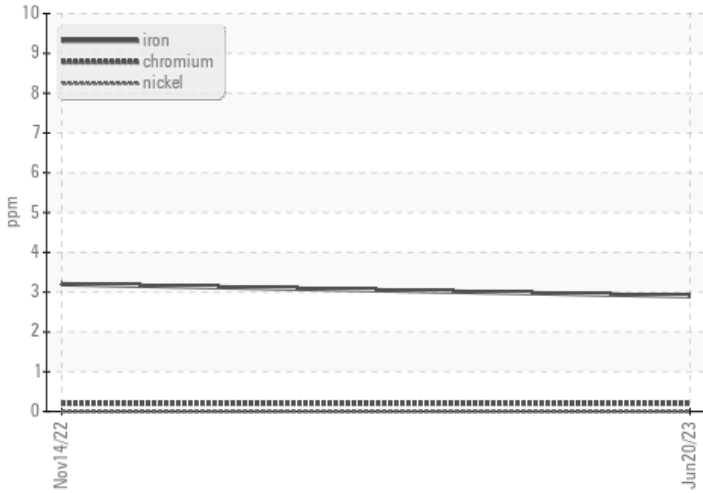
Calcium	ppm	<b>107</b>	118	---	---
Magnesium	ppm	<b>4</b>	0	---	---
Zinc	ppm	<b>524</b>	546	---	---
Phosphorus	ppm	<b>410</b>	429	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>0</b>	0	---	---

**Depot:** KCCIVY  
**Unique No:** 10537032  
**Signed:** Don Baldrige  
**Report Date:** 03 Jul 2023

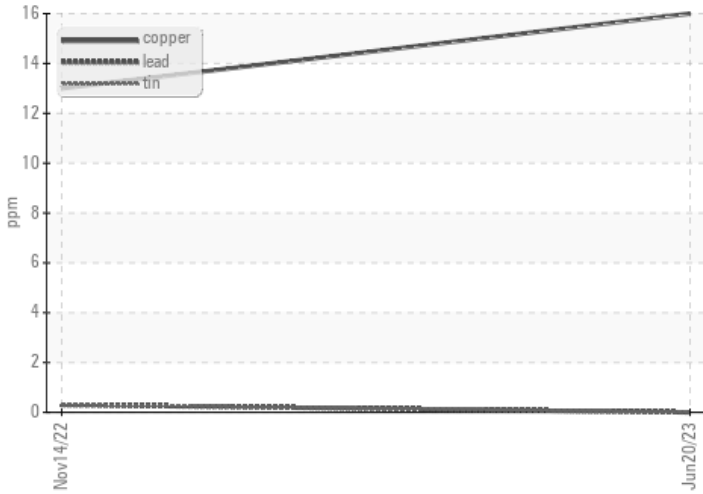


## VOLVO GRAPHS

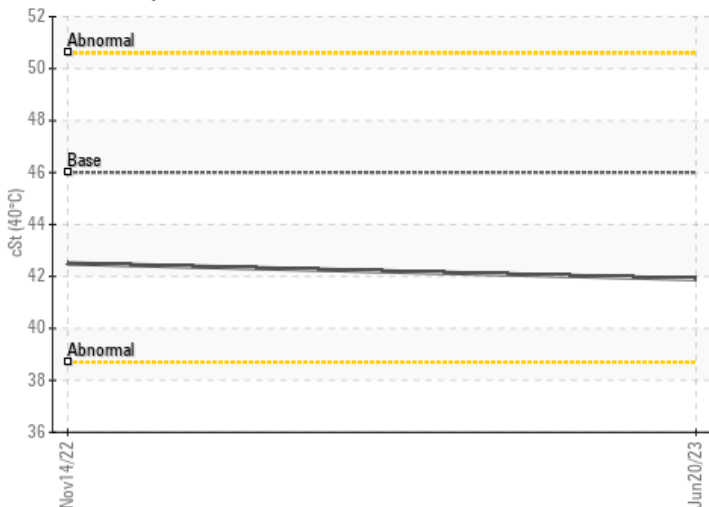
### Ferrous Alloys



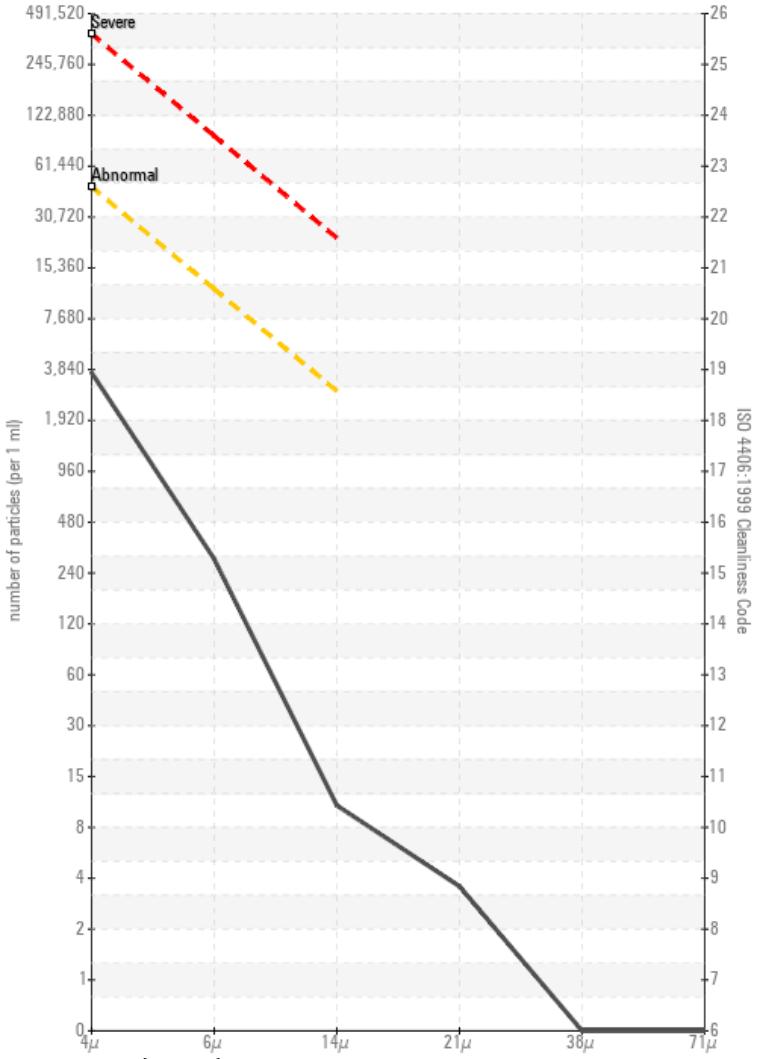
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

