



# CONSTRUCTION EQUIPMENT

## 701480 VOLVO EC750E 314043 - HYDRAULIC SYSTEM



**Sample No:** VCP447405  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 701480



### SAMPLE INFORMATION

Sample Number	<b>VCP447405</b>	VCP439260	VCP440110	VCP417615
Sample Date	<b>10 Apr 2024</b>	17 Jan 2024	21 Sep 2023	05 Jul 2023
Machine Hours	<b>5380</b>	4913	4441	3974
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>ABNORMAL</b>	NORMAL	ABNORMAL	NORMAL

**BLUE GOOSE GROWERS**  
 16059 W ORANGE AVE  
 FT PIERCE, FL  
 US 34945  
 Contact: SERVICE MANAGER



### OIL CONDITION

Visc @ 40°C	cSt	<b>40.9</b>	42.8	53.1	39.9
Acid Number (AN)	mg KOH/g	<b>0.41</b>	0.43	0.40	0.37

T: (772)461-3020  
 F:



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Particles >4µm		<b>▲ 96116</b>	9763	▲ 83497	2057
Particles >6µm		<b>● 19615</b>	587	▲ 22094	168
Particles >14µm		<b>■ 479</b>	19	682	4
ISO 4406:1999 (c)		<b>24/21/16</b>	20/16/11	24/22/17	18/15/9
Silicon	ppm	<b>&lt;1</b>	1	1	2
Sodium	ppm	<b>0</b>	0	<1	<1
Potassium	ppm	<b>0</b>	1	0	0

### Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. 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 oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



### WEAR METALS

Iron	ppm	<b>0</b>	2	2	4
Copper	ppm	<b>0</b>	3	5	11
Lead	ppm	<b>0</b>	1	0	0
Tin	ppm	<b>0</b>	1	0	0
Aluminum	ppm	<b>0</b>	2	<1	<1
Chromium	ppm	<b>0</b>	<1	<1	2
Molybdenum	ppm	<b>0</b>	2	<1	0
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	0	0
Vanadium	ppm	<b>0</b>	<1	0	<1



### ADDITIVES

Calcium	ppm	<b>134</b>	135	68	65
Magnesium	ppm	<b>9</b>	10	7	3
Zinc	ppm	<b>429</b>	500	432	412
Phosphorus	ppm	<b>341</b>	353	355	354
Barium	ppm	<b>0</b>	<1	0	0
Boron	ppm	<b>&lt;1</b>	2	0	0

**Depot:** BLUFOR  
**Unique No:** 10978668  
**Signed:** Wes Davis  
**Report Date:** 16 Apr 2024

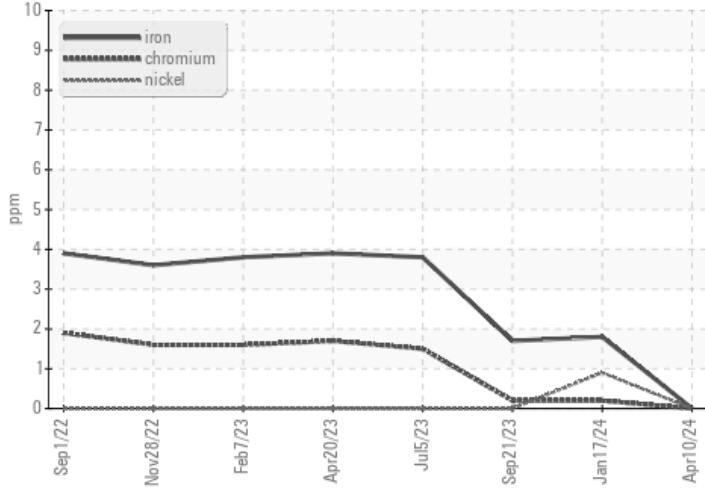


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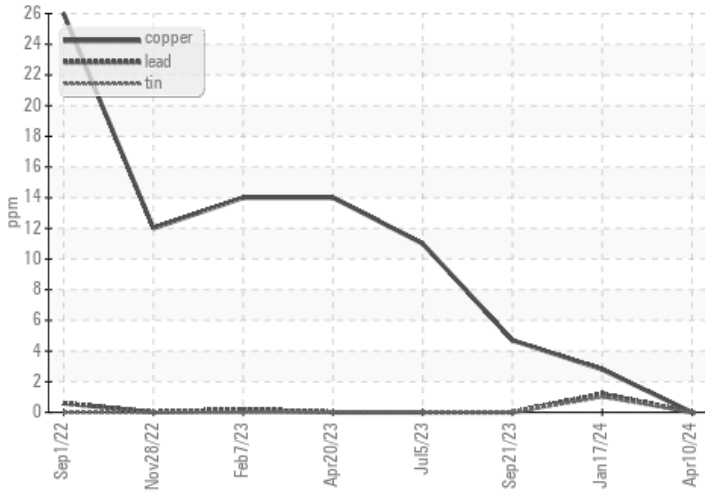


## GRAPHS

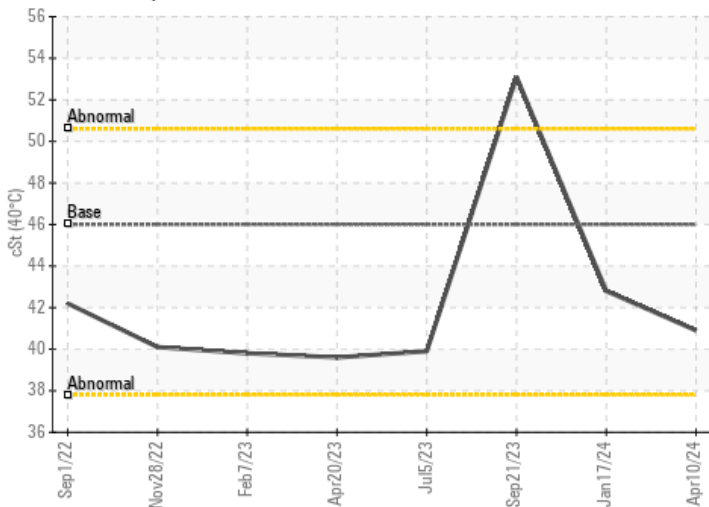
### Ferrous Alloys



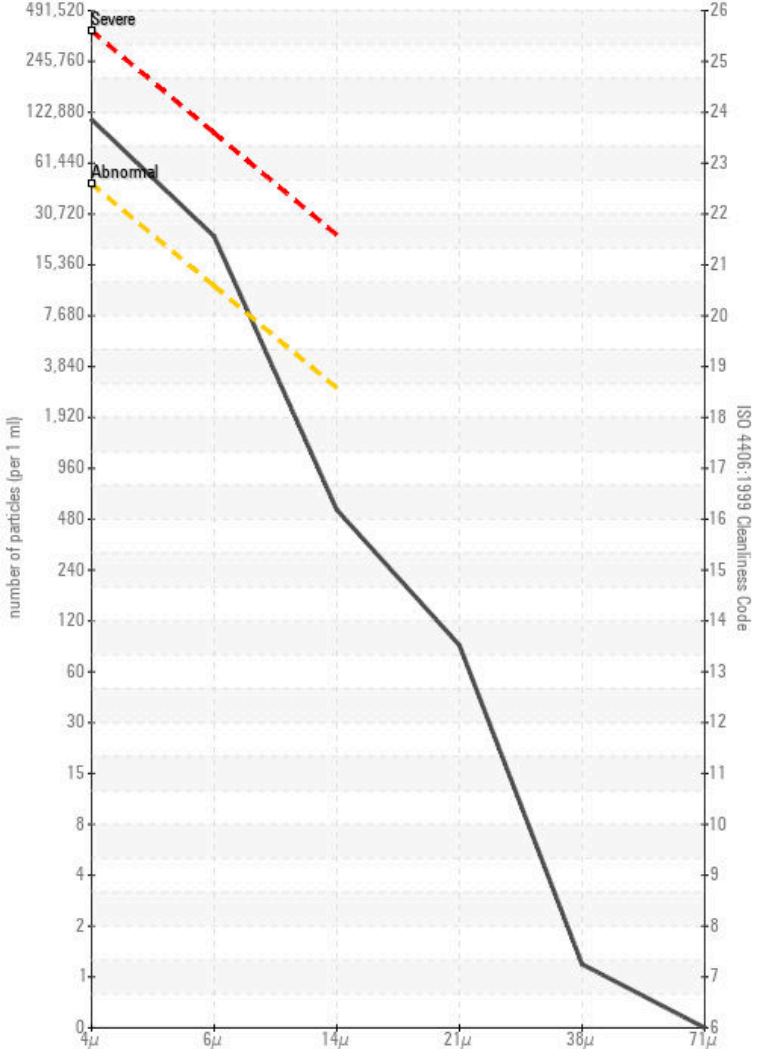
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

