



# CONSTRUCTION EQUIPMENT

## W14366 VOLVO EC750EL 310195 - HYDRAULIC SYSTEM



**Sample No:** VCP404675  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** W14366



### SAMPLE INFORMATION

Sample Number	<b>VCP404675</b>	VCP330400	VCP319608	VCP326207
Sample Date	<b>19 Jul 2023</b>	08 Apr 2022	20 Dec 2021	20 Sep 2021
Machine Hours	<b>7569</b>	6095	5442	5010
Oil Hours	<b>0</b>	2000	500	1000
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Changed
Sample Status	<b>ATTENTION</b>	NORMAL	ATTENTION	ABNORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>40.1</b>	40.3	41.5	41.1
Acid Number (AN)	mg KOH/g	<b>0.46</b>	0.43	0.380	0.448

### CONTAMINATION

Particles >4µm		<b>46104</b>	4410	35871	---
Particles >6µm		<b>6318</b>	1102	12921	---
Particles >14µm		<b>155</b>	145	1159	---
ISO 4406:1999 (c)		<b>23/20/14</b>	19/17/14	22/21/17	---
Silicon	ppm	<b>12</b>	5	3	4
Sodium	ppm	<b>0</b>	0	0	1
Potassium	ppm	<b>2</b>	2	0	0

### Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light 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>12</b>	6	3	4
Copper	ppm	<b>18</b>	16	8	12
Lead	ppm	<b>&lt;1</b>	<1	0	<1
Tin	ppm	<b>0</b>	<1	0	<1
Aluminum	ppm	<b>4</b>	2	1	1
Chromium	ppm	<b>&lt;1</b>	<1	0	<1
Molybdenum	ppm	<b>2</b>	2	2	1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>0</b>	<1	0	0
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>226</b>	209	158	153
Magnesium	ppm	<b>14</b>	30	31	23
Zinc	ppm	<b>501</b>	549	456	497
Phosphorus	ppm	<b>383</b>	420	362	357
Barium	ppm	<b>1</b>	0	0	0
Boron	ppm	<b>0</b>	4	5	2

**Depot:** VOLVO0080  
**Unique No:** 10574257  
**Signed:** Wes Davis  
**Report Date:** 27 Jul 2023

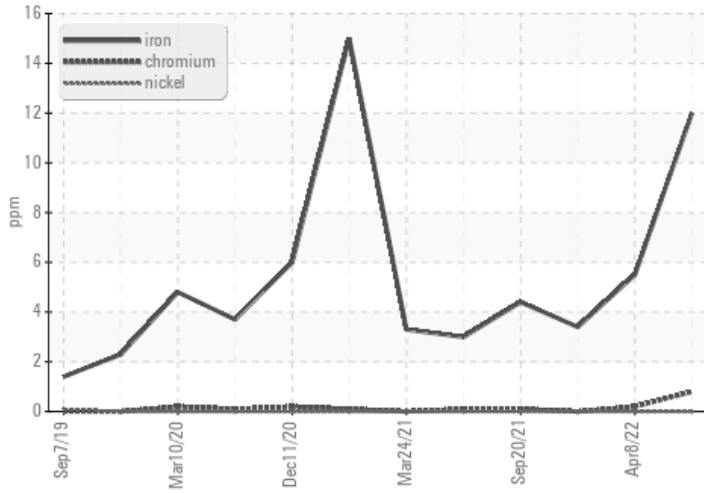


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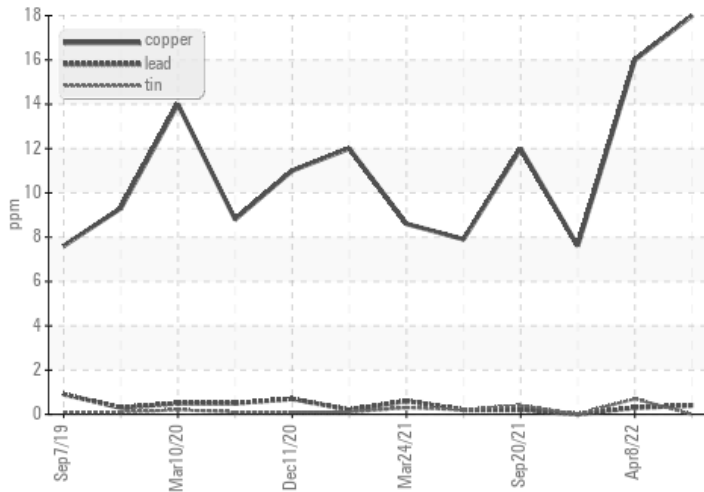


## GRAPHS

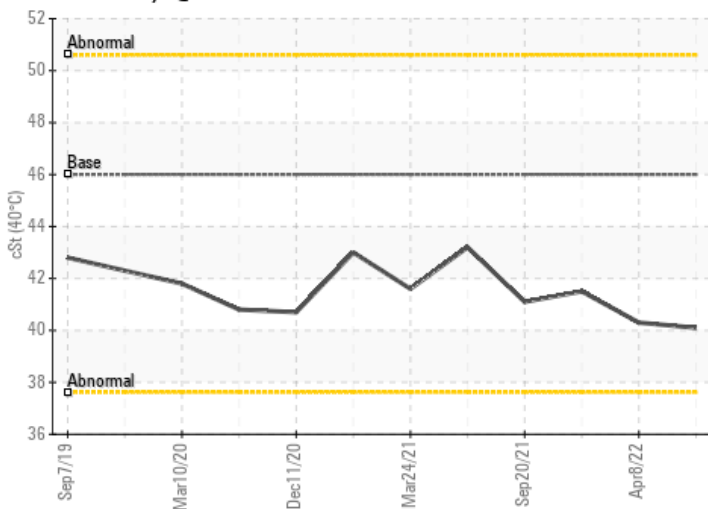
### Ferrous Alloys



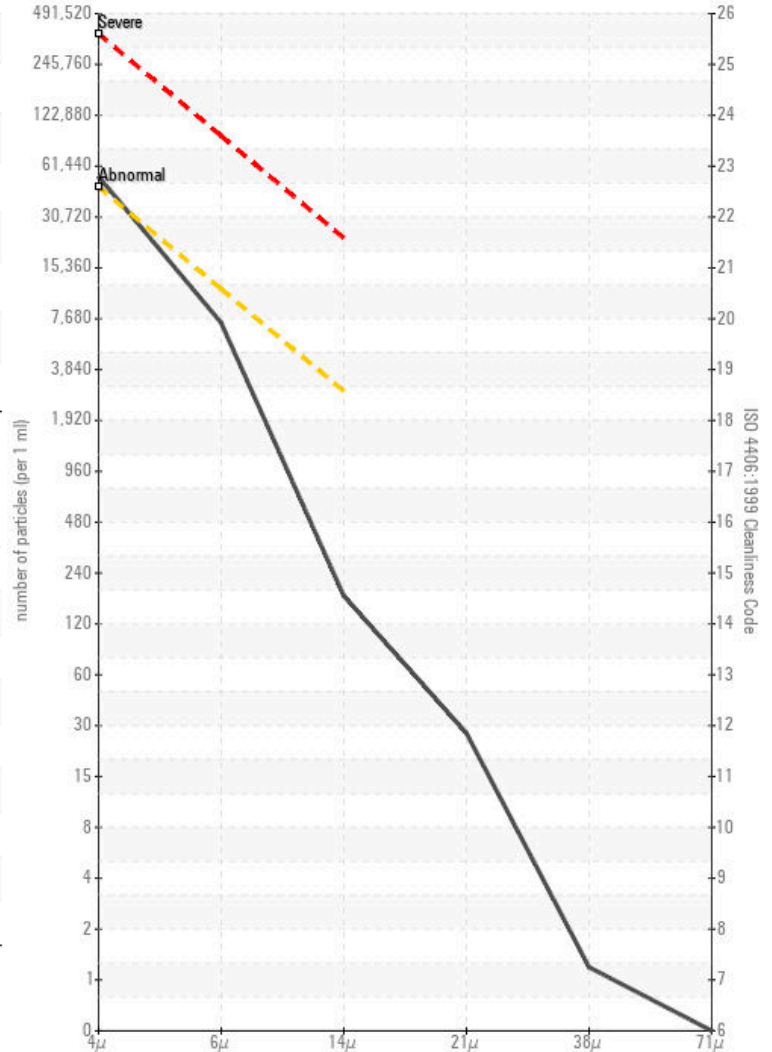
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

