



# CONSTRUCTION EQUIPMENT

## GROUT VOLVO EC750EL 310059 - HYDRAULIC SYSTEM



**Sample No:** VCP433258  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** GROUT



**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
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### SAMPLE INFORMATION

Sample Number	<b>VCP433258</b>	VCP252805	VCP247435	VCP242371
Sample Date	<b>29 Jan 2024</b>	12 Mar 2020	12 Jul 2019	24 May 2019
Machine Hours	<b>0</b>	7649	7487	6995
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>N/A</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL



### OIL CONDITION

Visc @ 40°C	cSt	<b>43.1</b>	44.9	45.7	41.7
Acid Number (AN)	mg KOH/g	<b>0.38</b>	0.493	0.605	0.454



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Particles >4µm		<b>14925</b>	9073	1449	23776
Particles >6µm		<b>4139</b>	1349	261	3101
Particles >14µm		<b>319</b>	54	13	73
ISO 4406:1999 (c)		<b>21/19/15</b>	20/18/13	18/15/11	22/19/13
Silicon	ppm	<b>0</b>	1	2	2
Sodium	ppm	<b>0</b>	0	<1	<1
Potassium	ppm	<b>2</b>	0	<1	<1



### WEAR METALS

Iron	ppm	<b>2</b>	2	2	5
Copper	ppm	<b>&lt;1</b>	3	2	7
Lead	ppm	<b>&lt;1</b>	<1	0	<1
Tin	ppm	<b>&lt;1</b>	<1	0	<1
Aluminum	ppm	<b>2</b>	0	0	<1
Chromium	ppm	<b>&lt;1</b>	<1	0	0
Molybdenum	ppm	<b>&lt;1</b>	2	3	3
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>	0	<1	0
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>68</b>	122	123	105
Magnesium	ppm	<b>3</b>	11	14	16
Zinc	ppm	<b>468</b>	512	478	443
Phosphorus	ppm	<b>306</b>	359	366	342
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>0</b>	3	3	4

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

**Depot:** VOLVO0096  
**Unique No:** 10856724  
**Signed:** Wes Davis  
**Report Date:** 31 Jan 2024

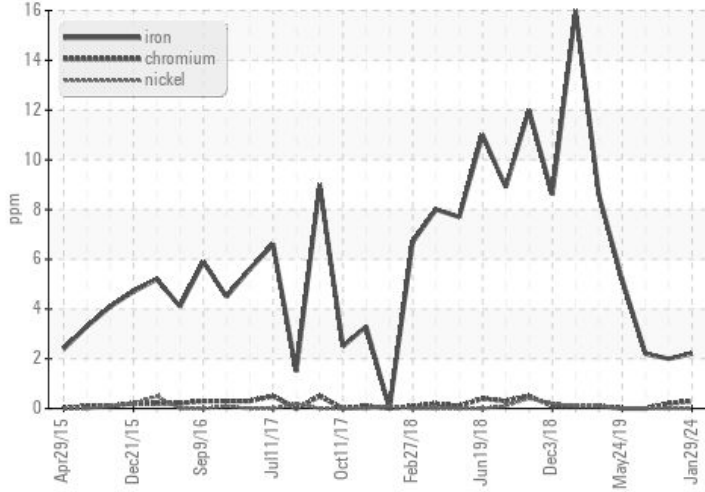


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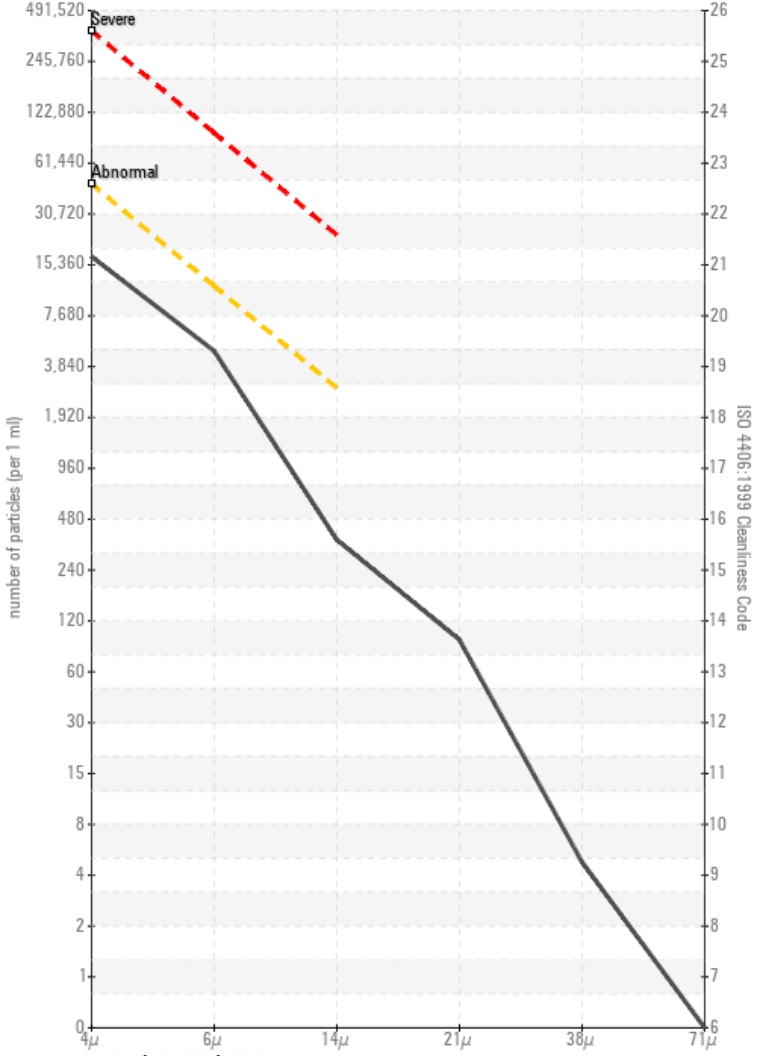


## VOLVO GRAPHS

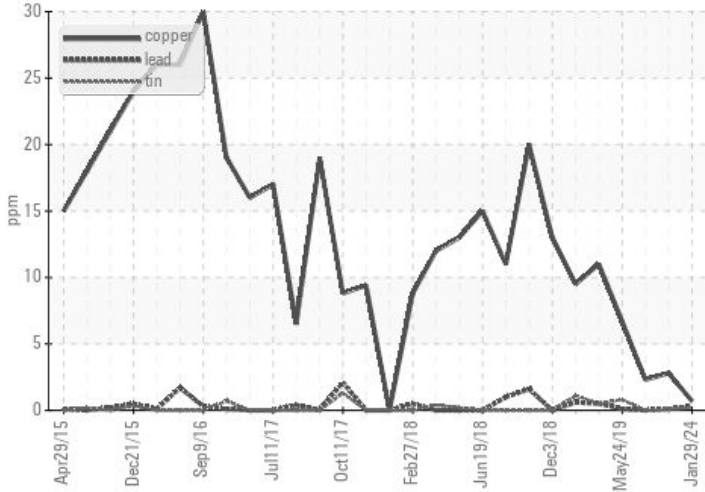
### Ferrous Alloys



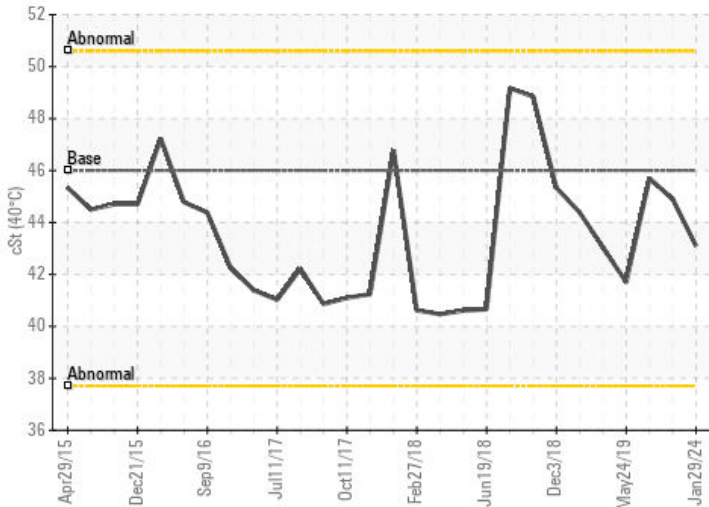
### Particle Count



### Non-ferrous Metals



### Viscosity @ 40°C



### Acid Number

