## CONSTRUCTION EQUIPMENT

THOMPSON BUILDS VOLVO EC 160EL 314333 - FRONT RIGHT FINAL DR

**Sample No:** VCP417982

Silver

Manganese

Vanadium

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

VOLVO

Oil Type:	VOLVO SUPER GEAR OIL 75W-80-GO102
Job No:	THOMPSON BUILDS

SAMPLI	E INFORMATION		 	
Sample Number		VCP417982	 	
Sample Date		01 Aug 2023	 	
Machine Hours		588	 	
Oil Hours		588	 	
Oil Changed		Not Changd	 	
Sample Status		SEVERE	 	
OIL CON	IDITION			
Visc @ 40°C	cSt	179	 	
CONTAI	MINATION			
Silicon	ppm	234	 	
Sodium	ppm	<b>10</b>	 	
Potassium	ppm	<b>1</b> 9	 	
WEAR I	METALS			
Iron	ppm	<b>A</b> 856	 	
Copper	ppm	<b>1</b>	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	<b>4</b> 7	 	
Chromium	ppm	<b>1</b> 1	 	
Molybdenum	ppm	<b>  </b> <1	 	
Nickel	ppm	2	 	
Titanium	ppm	3	 	



ALTA EQUIPMENT

5985 COURT STREET ROAD SYRACUSE, NY US 13206 Contact: JIM STRIGLE JIM.STRIGLE@ALTG.COM T: (315)437-2611 F: (315)434-9471

## Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.

Depot:	VOLVO0142		
Unique No:	10588371		
Signed:	Jonathan Hester		
Report Date:	07 Aug 2023		

0

11

0

33

12

14

360

1

1

ppm

ppm

ppm

ppm

ppm

ppm

ppm

ppm

ppm

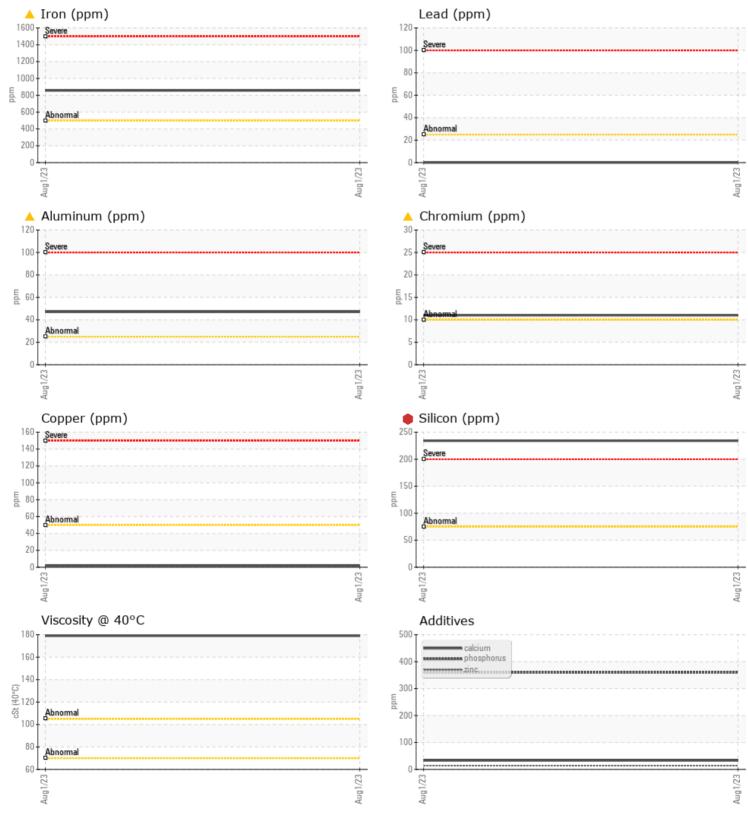
**ADDITIVES** 

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Contact/Location: JIM STRIGLE - VOLVO0142