CONSTRUCTION EQUIPMENT HORST VOLVO EC460CL 110503 - LEFT FINAL DRIVE



Sample No:	VCP348813
Oil Type:	GEAR OIL SAE 80W90
Job No:	HORST

VOLVO

SAMPLE	INFORMATION	I		
Sample Number	-	VCP348813	 	
Sample Date		27 Jan 2023	 	
Machine Hours		9014	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		ABNORMAL	 	
OIL CON	DITION			
Visc @ 40°C	cSt	184	 	
VISC @ 40 C	CSI			
VOLVO				
CONTAM	AINATION			
Silicon	ppm	<b>A</b> 215	 	
Sodium	ppm	2	 	
Potassium	ppm	20	 	
WEAR M	METALS			
Iron	ppm	<b>558</b>	 	
Copper	ppm	<b>145</b>	 	
Lead	ppm	■ <1	 	
Tin	ppm	5	 	
Aluminum	ppm	<b>A</b> 87	 	
Chromium	ppm	<b>4</b>	 	
Molybdenum	ppm	<b>□</b> <1	 	
Nickel	ppm	2	 	
Titanium	ppm	3	 	
Silver	ppm	0	 	
Manganese	ppm	6	 	
Vanadium	ppm	<1	 	
ADDITIV	/ES		 	
Calcium	ppm	76	 	
Magnesium	ppm	<b>11</b>	 	
-				

US 17522
Contact: CHAD HERRON
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Diagnosis

200 BURKHOLDER DR. EPHRATA, PA

HIGHWAY EQUIPMENT AND SUPPLY CO

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.Bearing and/or gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

Depot:	INSEPH
Unique No:	10321070
Signed:	Don Baldridge
Report Date:	03 Feb 2023

58

582

2

**17** 

ppm

ppm

ppm

ppm

Zinc

Barium

Boron

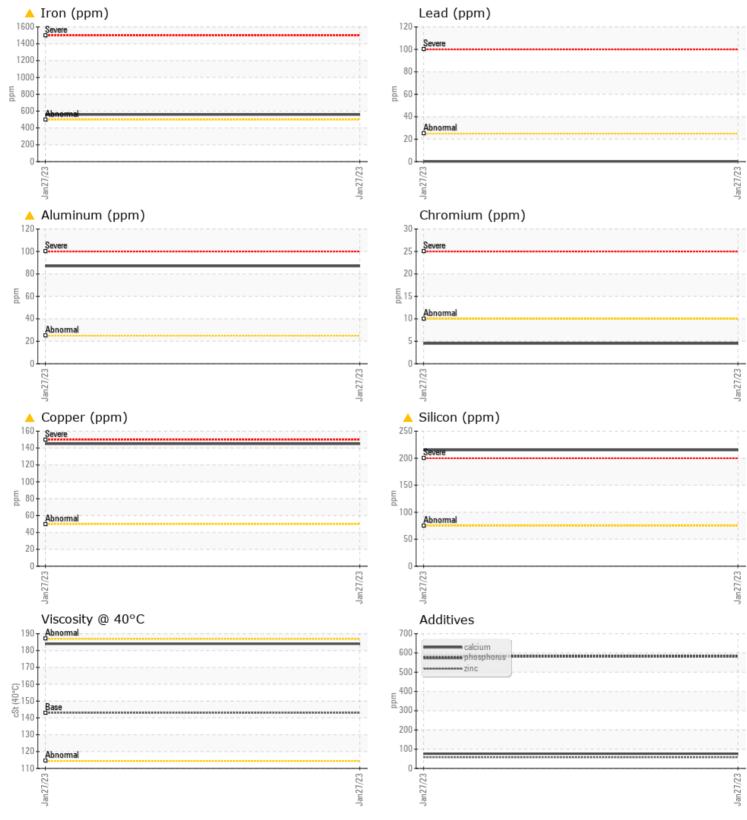
Phosphorus

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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Contact/Location: CHAD HERRON - INSEPH