CONSTRUCTION EQUIPMENT HORST VOLVO EC46OCL 110503 - RIGHT FINAL DRIVE

Sample No:	VCP348812
Oil Type:	GEAR OIL SAE 80W90
Job No:	HORST

SAMPLE INFORMATION

Barium

Boron

ppm

ppm

VOLVO

Sample Number	-	VCP348812	 	
Sample Date		27 Jan 2023	 	
Machine Hours		9014	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		ABNORMAL	 	
OIL COND	ITION			
Visc @ 40°C	cSt	199	 	
CONTAM	INATION			
Silicon	ppm	135	 	
Sodium	ppm	3	 	
Potassium	ppm	1 3	 	
WEAR MI	ETALS			
Iron	ppm	401	 	
Copper	ppm	4 148	 	
Lead	ppm	0	 	
Tin	ppm	4	 	
Aluminum	ppm	<u> </u>	 	
Chromium	ppm	■ 4	 	
Molybdenum	ppm	■ <1	 	
Nickel	ppm	2	 	
Titanium	ppm	2	 	
Silver	ppm	0	 	
Manganese	ppm	4	 	
Vanadium	ppm	0	 	
	Z			
Calcium	ppm	40	 	
Magnesium	ppm	8	 	
Zinc	ppm	37	 	
Phosphorus	ppm	544	 	



HIGHWAY EQUIPMENT AND SUPPLY CO

200 BURKHOLDER DR. EPHRATA, PA US 17522 Contact: CHAD HERRON chad@hwyequip.com T: (717)859-3132 F: (717)859-2698

Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.Bearing and/or bushing wear is indicated. All other component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

Depot:	INSEPH
Unique No:	10321056
Signed:	Don Baldridge
Report Date:	03 Feb 2023

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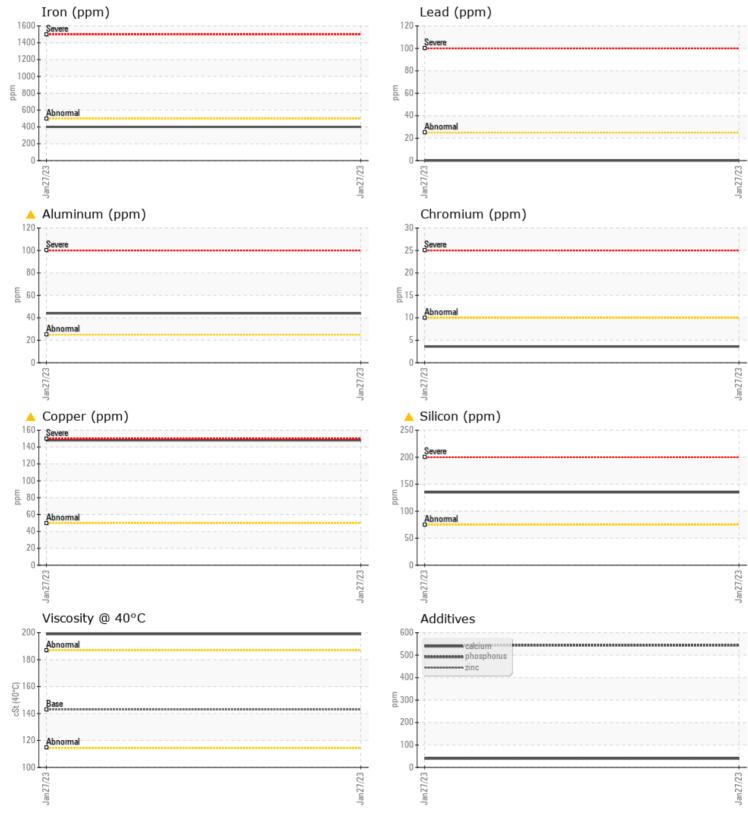
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CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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Contact/Location: CHAD HERRON - INSEPH