CONSTRUCTION EQUIPMENT 57571 VOLVO EC55B 30203 - REAR RIGHT FINAL DRIVE

Sample No:	VCP421549			
Oil Type:	GEAR OIL SAE 85W140			
Job No:	57571			

## SAMPLE INFORMATION

VOLVO

Sample Number	-	VCP421549	 		
Sample Date		30 Aug 2023	 		
Machine Hours		4261	 		
Oil Hours		0	 		
Oil Changed		Changed	 		
Sample Status		SEVERE	 		
OIL CON					
				-	
Visc @ 40°C	cSt	185	 		
VOLVO					
CONTAM	AINATION				
Silicon	ppm	<b>5</b> 60	 		
Sodium	ppm	24	 		
Potassium	ppm	30	 		
	ppm				
VOLVO					
WEAR M	METALS				
Iron	ppm	• 1868	 		
Copper	ppm	5	 		
Lead	ppm	<b></b> <1	 		
Tin	ppm	<b>■</b> <1	 		
Aluminum	ppm	<u> </u>	 		
Chromium	ppm	• 28	 		
Molybdenum	ppm	3	 		
Nickel	ppm	3	 		
Titanium	ppm	<b>1</b> 3	 		
Silver	ppm	0	 		
Manganese	ppm	<b>1</b> 4	 		
Vanadium	ppm	1	 		
	/FS		 		
Calcium	ppm	54	 		

Calcium	ppm	54	 	
Magnesium	ppm	34	 	
Zinc	ppm	53	 	
Phosphorus	ppm	<b>135</b>	 	
Barium	ppm	0	 	
Boron	ppm	0	 	



 114 - ASCENDUM MACHINERY INC - CONCORD 1025 INTERNATIONAL DR NW
 CONCORD, NC
 US 28027
 Contact: CEB SMITH ceb.smith@ascendummachinery.com
 T: (704)596-8283
 F: (704)596-1362

## Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.

 Depot:
 VOLV00016

 Unique No:
 10631615

 Signed:
 Don Baldridge

 Report Date:
 06 Sep 2023

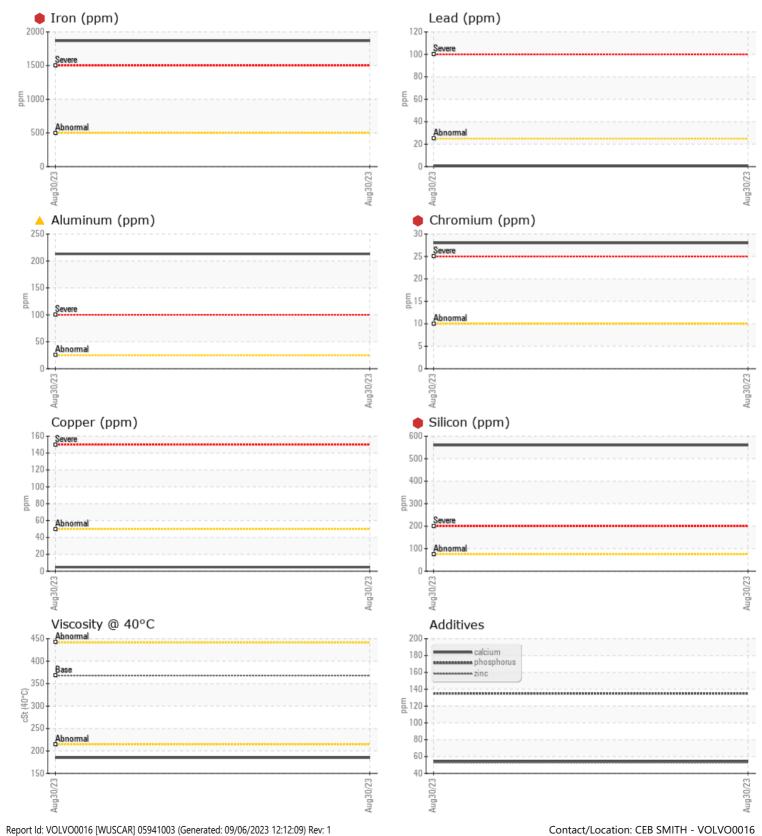
Contact/Location: CEB SMITH - VOLVO0016

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Page 2 of 2