**CONSTRUCTION EQUIPMENT** 24200 CATERPILLAR 321D MPG00947 - REAR LEFT FINAL DRIVE

Sample No:	VCP424653
Oil Type:	GEAR OIL SAE 80W90
Job No:	24200

## SAMPLE INFORMATION

VOLVO

Sample Number		VCP424653	 	
Sample Date		05 Oct 2023	 	
Machine Hours		7896	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		SEVERE	 	
OIL CONDI	ITION			
Visc @ 40°C	cSt	<b>140</b>	 	
VOLVO				
CONTAMI	NATION			
Water	%	1.43	 	
Silicon	ppm	386	 	
Sodium	ppm	<b>□</b> <1	 	
Potassium	ppm	7	 	
VOLVO WEAD ME	TAIC			
VEAR ME	IALS			
Iron	ppm	<b>A</b> 1044	 	
Copper	ppm	<b>□</b> <1	 	
Lead	ppm	<b>1</b>	 	
Tin	ppm	<b>1</b>	 	
Aluminum	ppm	59	 	
Chromium	ppm	<b>4</b>	 	
Molybdenum	ppm	0	 	
Nickel	ppm	<b>1</b>	 	
Titanium	ppm	□7	 	
Silver	ppm	<b>■</b> <1	 	
Manganese	ppm	7	 	
Vanadium	ppm	<1	 	
VOLVO			 	
	2			
Calcium	ppm	85	 	



## 218 - ASCENDUM MACHINERY INC - N. CHARLESTON

7235 CROSS COUNTRY RD. NORTH CHARLESTON, SC US 29418 Contact: MATT MITCHAM matt.mitcham@ascendummachinery.com T: F: (843)414-1129

## Diagnosis

We advise that you check for the source of water entry. 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. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot:	VOLVO3387
Unique No:	10685280
Signed:	Jonathan Hester
Report Date:	11 Oct 2023

**10** 

28

0 🔲

982

**160** 

Magnesium

Phosphorus

Zinc

Barium

Boron

ppm

ppm

ppm

ppm

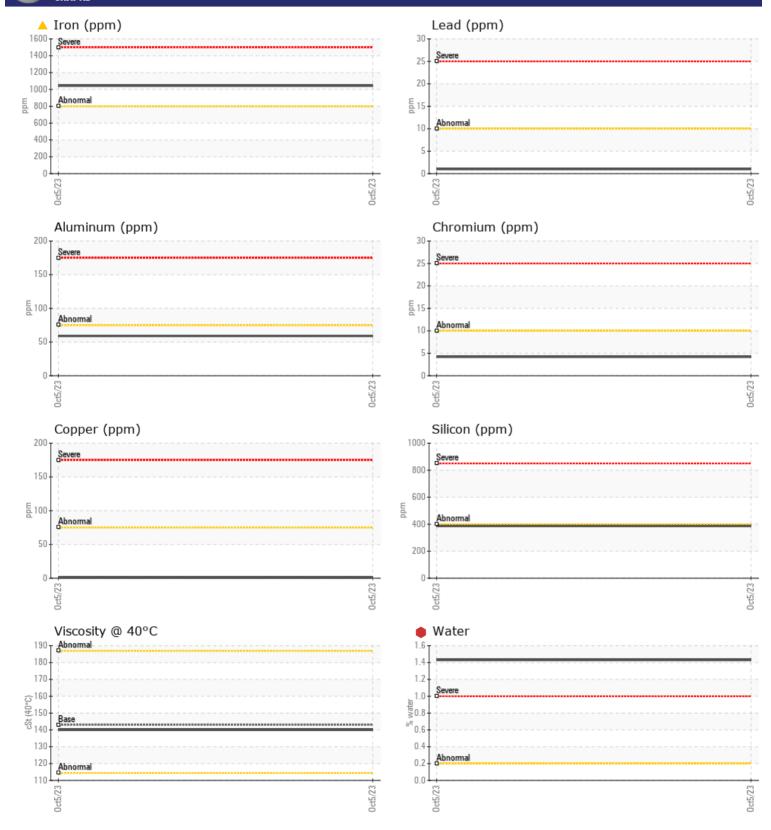
ppm

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Contact/Location: MATT MITCHAM - VOLVO3387