## CONSTRUCTION EQUIPMENT SW-28280-2 TNT VOLVO EC220E 314182 - REAR LEFT FINAL OR

 Sample No:
 VCP435836

 Oil Type:
 VOLVO PREMIUM GEAR OIL 80W-90 GL-5

 Job No:
 SW-28280-2 TNT

## SAMPLE INFORMATION

Zinc

Barium

Boron

Phosphorus

VOLVO

		-		
Sample Number	-	VCP435836	 	
Sample Date		23 Jan 2024	 	
Machine Hours		2683	 	
Oil Hours		2683	 	
Oil Changed		Changed	 	
Sample Status		SEVERE	 	
OIL CON	IDITION			
Visc @ 40°C	cSt	242	 	
VOLVO				
CONTAI	MINATION			
Water	%	NEG	 	
Silicon	ppm	🛑 1506	 	
Sodium	ppm	25	 	
Potassium	ppm	82	 	
WEAR N	METALS			
Iron	ppm	• 5404	 	
Copper	ppm	<b>11</b>	 	
Lead	ppm	<b>1</b>	 	
Tin	ppm	0	 	
Aluminum	ppm	<b>184</b>	 	
Chromium	ppm	🛑 40	 	
Molybdenum	ppm	<b>4</b>	 	
Nickel	ppm	<u> </u>	 	
Titanium	ppm	<b>1</b> 3	 	
Silver	ppm	0	 	
Manganese	ppm	<b>42</b>	 	
Vanadium	ppm	<1	 	
	VES		 	 _
Calcium	ppm	642	 	
Magnesium	ppm	<b>116</b>	 	



#### ARNOLD MACHINERY COMPANY

2975 WEST 2100 SOUTH SALT LAKE CITY, UT JS 84119 Contact: TJ LARK :lark@arnoldmachinery.com T: (801)972-4000 F: (801)975-9434

### 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 as a result of the abnormal and/or severe wear.

Depot:	VOLVO8770		
Unique No:	10858214		
Signed:	Sean Felton		
Report Date:	02 Feb 2024		

28

7

5

368

ppm

ppm

ppm

ppm

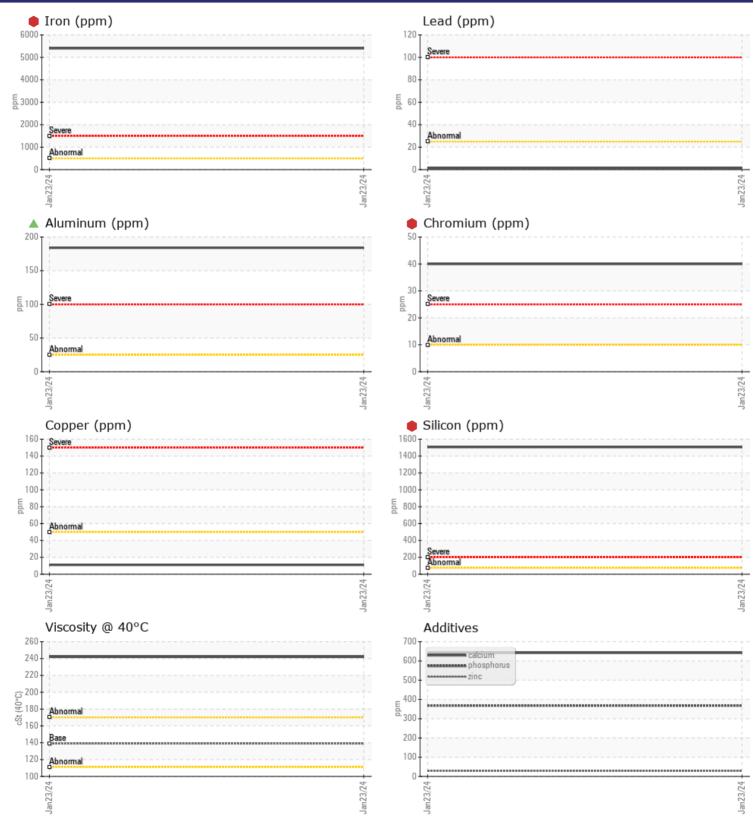
Contact/Location: TJ LARK - VOLVO8770

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO8770 [WUSCAR] 06076123 (Generated: 02/02/2024 10:10:36) Rev: 1

Contact/Location: TJ LARK - VOLVO8770