CONSTRUCTION EQUIPMENT SW-28280-2 TNT VOLVO EC220E 314182 - REAR RIGHT FINAL DE

Sample No: VCP435868 **Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5 Job No: SW-28280-2 TNT

SAMPLE INFORMATION Sample Number

Magnesium

Phosphorus

Zinc

Barium

Boron

ppm

ppm

ppm

ppm

ppm

VOLVO

Sample Number		VCP435868		
Sample Date		23 Jan 2024		
Machine Hours		2683		
Oil Hours		2683		
Oil Changed		Changed		
Sample Status		SEVERE		
OIL CON	DITION			
Visc @ 40°C	cSt	428		
	MINATION			
Water	%	NEG	-	
Silicon		4501		
Silicon Sodium	ppm			
	ppm	72		
Potassium	ppm	204		
VOLVO				
WEAR N	METALS			
Iron	ppm	🛑 11046		
Copper	ppm	21		
Lead	ppm	2		
Tin	ppm	0		
Aluminum	ppm	492		
Chromium	ppm	• 74		
Molybdenum	ppm	9		
Nickel	ppm	9 23		
Titanium	ppm	31		
Silver	ppm	0		
Manganese	ppm	80		
Vanadium	ppm	1		
	VES			
Calcium	ppm	1710		



RNOLD MACHINERY COMPANY

975 WEST 2100 SOUTH ALT LAKE CITY, UT JS 84119 Contact: TJ LARK lark@arnoldmachinery.com : (801)972-4000 (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 viscosity is higher than normal. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot:	VOLVO8770		
Unique No:	10858215		
Signed:	Sean Felton		
Report Date:	02 Feb 2024		

327

21

367

12 10

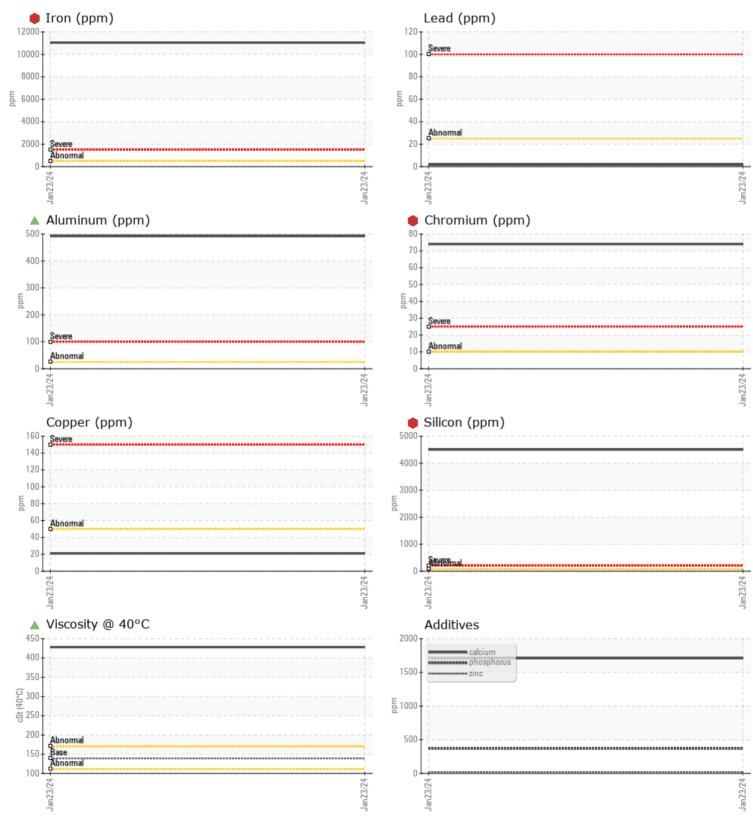
Contact/Location: TJ LARK - VOLVO8770

CONSTRUCTION EQUIPMENT





VOLVO



Report Id: VOLVO8770 [WUSCAR] 06076124 (Generated: 02/02/2024 10:10:43) Rev: 1

Contact/Location: TJ LARK - VOLVO8770