CONSTRUCTION EQUIPMENT SW1026951-10 VOLVO EC480 310140 (S/N 310141) - LEFTSWING DR

 Sample No:
 VCP439406

 Oil Type:
 GEAR OIL SAE 80W90

 Job No:
 SW1026951-10

VOLVO

## SAMPLE INFORMATION Sample Number VCP439406 Sample Date 09 Jan 2024 Machine Hours 8218 Oil Hours 0 Oil Changed Changed SEVERE Sample Status **OIL CONDITION** Visc @ 40°C cSt 186 CONTAMINATION Water % 1.99 🌒 Silicon **A** 98 ppm Sodium 107 ppm Potassium ppm 456 WEAR METALS **1795** Iron ppm Copper ppm 51 Lead ppm 1 Tin ppm 0 Aluminum **A** 29 ppm Chromium ppm Molybdenum ppm **16** Nickel 3 ppm Titanium ppm 2 Silver 0 ppm Manganese ppm 22 Vanadium ppm <1

ADDITIVES

				1
Calcium	ppm	434	 	
Magnesium	ppm	66	 	
Zinc	ppm	157	 	
Phosphorus	ppm	<b>1503</b>	 	
Barium	ppm	0	 	
Boron	ppm	304	 	



ARNOLD MACHINERY COMPANY

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

## Diagnosis

We advise that you check for the source of water entry. 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 recommend an early resample to monitor this condition.Gear wear is indicated. Appearance is milky. There is a high concentration of water present in the oil. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a high amount of visible silt present in the sample. The oil is no longer serviceable due to the presence of contaminants.

 Depot:
 VOLV08770

 Unique No:
 10846421

 Signed:
 Jonathan Hester

 Report Date:
 26 Jan 2024

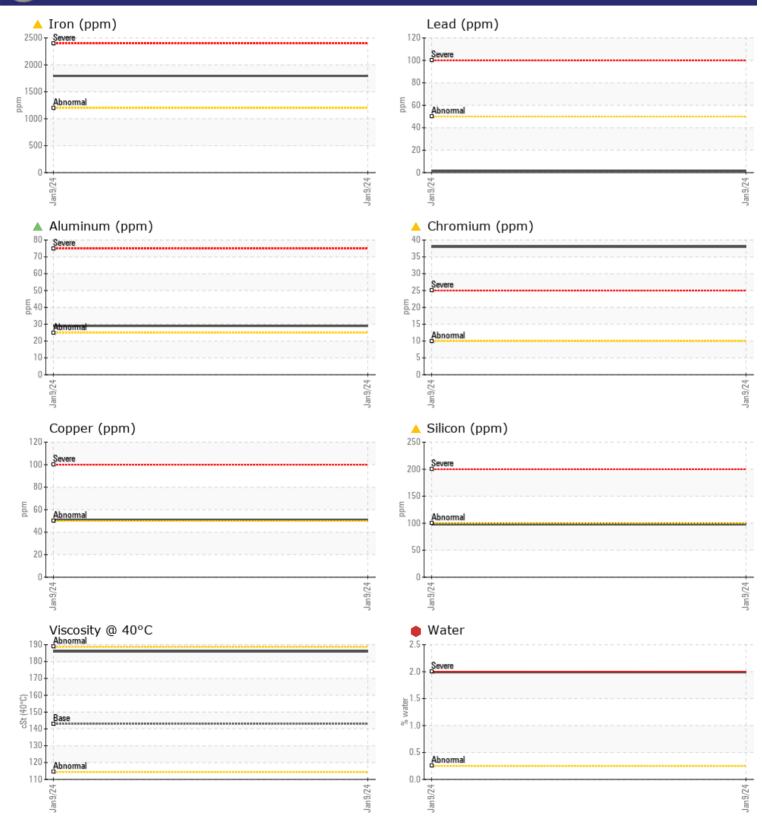
Contact/Location: TJ LARK - VOLVO8770

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Contact/Location: TJ LARK - VOLVO8770