**CONSTRUCTION EQUIPMENT** 2853-2 PRINOTH T14R 935310091 - FRONT RIGHT FINAL DRIVI

 Sample No:
 VCP445923A

 Oil Type:
 {unknown}

 Job No:
 2853-2

VOLVO

## SAMPLE INFORMATION

Sample Number	-	VCP445923A	VCP284598		
Sample Date		01 Apr 2024	01 Jun 2020		
Machine Hours		2095	1356		
Oil Hours		0	500		
Oil Changed		N/A	Changed		
Sample Status		SEVERE	SEVERE		
OIL COND					
			-	-	
Visc @ 40°C	cSt	53.3	227		
VOLVO					
CONTAM	INATION				
Water	%	4.97	▲ 0.293		
Silicon	ppm	▲ 351	▲ 521		
Sodium	ppm	4	12		
Potassium	ppm	12	20		
	pp	<u> </u>			
VOLVO					
WEAR M	LIALS				
Iron	ppm	<b>6</b> 536	<b>1</b> 2162		
Copper	ppm	<b>A</b> 261	<b>1</b> 899		
Lead	ppm	<b>10</b>	15		
Tin	ppm	<b>A</b> 26	0		
Aluminum	ppm	<mark>e</mark> 28	0100		
Chromium	ppm	5	▲ 25		
Molybdenum	ppm	<1	0		
Nickel	ppm	3	2		
Titanium	ppm	5	10		
Silver	ppm	<1	0		
Manganese	ppm	5	15		
Vanadium	ppm	<1	1		
VOLVO					

ADDITIVES Calcium 92 34 ppm 8 Magnesium 7 ppm 331 38 Zinc ppm Phosphorus 334 821 ppm Barium 0 2 ppm 39 Boron 11 ppm



## MCCLUNG-LOGAN EQUIPMENT CO - CHESAPEAKE

4112 HOLLAND BLVD CHESAPEAKE, VA US 23323 Contact: TOMMY GRIFFIN tgriffin@mcclung-logan.com T: (757)485-3314 F: (757)485-3415

## Diagnosis

We advise that you check all areas where dirt can enter the system. 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 advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.Gear wear is indicated. Bearing and/or bushing wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a very high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

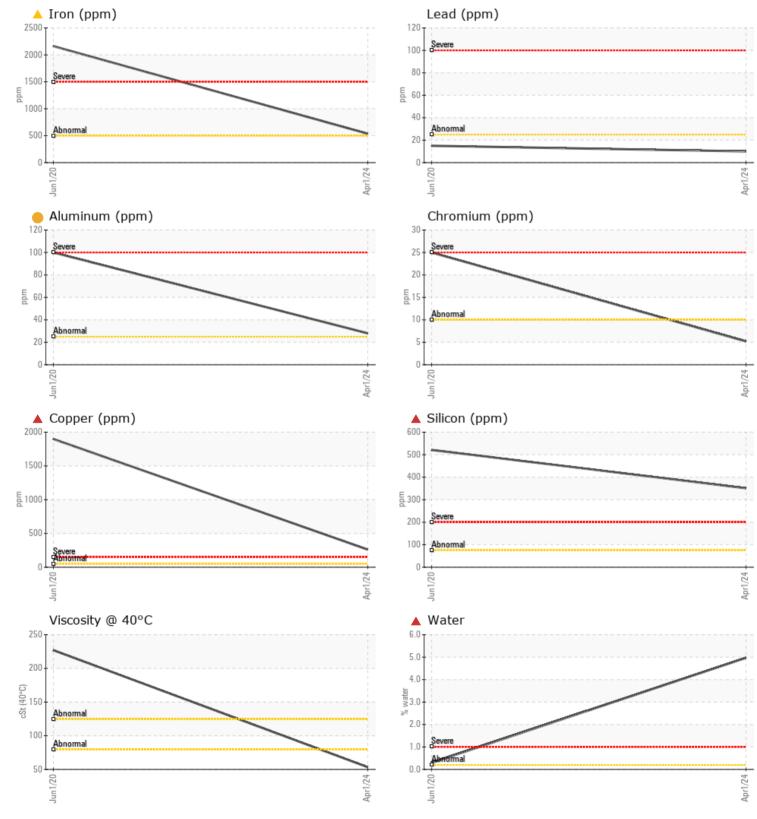
Depot:VOLVO0264Unique No:10964203Signed:Don BaldridgeReport Date:06 Apr 2024Contact/Location: TOMMY GRIFFIN - VOLVO0264

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO0264 [WUSCAR] 06139395 (Generated: 04/06/2024 15:09:10) Rev: 1

Contact/Location: TOMMY GRIFFIN - VOLVO0264