CONSTRUCTION EQUIPMENT SW-31876-2 AZ DRILL SANDVIK 68792 - DIESEL ENGINE

Sample No:VCP444485Oil Type:VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3Job No:SW-31876-2 AZ DRILL

VOLVO

## SAMPLE INFORMATION VCP444485 Sample Number Sample Date 20 Mar 2024 Machine Hours 4361 Oil Hours 700 Oil Changed Changed NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 13.4 Base Number (BN) mg KOH/g 5.4 Oxidation (PA) 73 % CONTAMINATION % NEG Water

Soot %	%	0.6	 	
Nitration (PA)	%	90	 	
Sulfation (PA)	%	66	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	4	 	
Sodium	ppm	<b>4</b>	 	
Potassium	ppm	3	 	

WFAR MFTAI

WEAK I	METALS			
Iron	ppm	27	 	
Copper	ppm	3	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	6	 	
Chromium	ppm		 	
Molybdenum	ppm	<b>1</b>	 	
Nickel	ppm	0	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	□ <1	 	
Vanadium	ppm	<1	 	

ADDITIVES							
Calcium	ppm	<b>1573</b>					
Magnesium	ppm	<b>706</b>					
Zinc	ppm	895					
Phosphorus	ppm	644					
Barium	ppm	0					
Boron	ppm	<b>16</b>					

## ARNOLD MACHINERY COMPANY

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

## Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

 Depot:
 VOLVO8770

 Unique No:
 10949734

 Signed:
 Don Baldridge

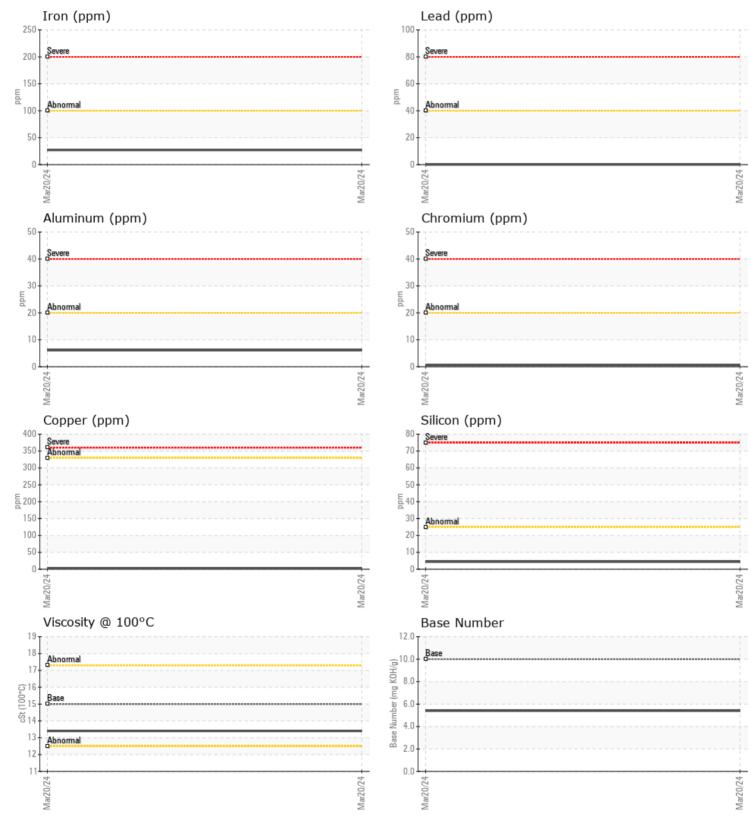
 Report Date:
 29 Mar 2024

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO8770 [WUSCAR] 06130269 (Generated: 03/29/2024 15:29:34) Rev: 1

Contact/Location: TONY PAYAN - VOLVO8770