CONSTRUCTION EQUIPMENT SWA412025 HITACHI ZW370-6 ZW3706-005216 - DIESEL ENGI

 Sample No:
 VCP417505

 Oil Type:
 DIESEL ENGINE OIL SAE 15W40

 Job No:
 SWA412025

## SAMPLE INFORMATION

Potassium

ppm

■ <1

VOLVO

Sample Number		VCP417505	 	
Sample Date		10 Jan 2024	 	
Machine Hours		4098	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL COND				
Visc @ 100°C	cSt	<b>A</b> 11.5	 	
Base Number (BN)	mg KOH/g	7.3	 	
Oxidation (PA)	%	74	 	
CONTAMI				
Water	%	NEG	 	
Soot %	%	0.1	 	
Nitration (PA)	%	78	 	
Sulfation (PA)	%	57	 	
Glycol	%	NEG	 	
Fuel	%	<b>4.0</b>	 	
Silicon	ppm	3	 	
Sodium	ppm	<b>4</b>	 	



## ALTA EQUIPMENT CO - ORLAND PARK

5000 INDUSTRIAL HWY GARY, IN US 46406 Contact: DAVE ENG DAVE.ENG@ALTG.COM T: (312)350-2560 F:

## Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. Light fuel dilution occurring. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

WEAR I	METALS			
Iron	ppm	11	 	
Copper	ppm	■7	 	
Lead	ppm	3	 	
Tin	ppm	<b>1</b>	 	
Aluminum	ppm	2	 	
Chromium	ppm	<b>■</b> <1	 	
Molybdenum	ppm	50	 	
Nickel	ppm	0	 	
Titanium	ppm	□<1	 	
Silver	ppm	0	 	
Manganese	ppm	■ <1	 	
Vanadium	ppm	<1	 	

ADDITIVES						
Calcium	ppm	880				
Magnesium	ppm	857				
Zinc	ppm	<b>1075</b>				
Phosphorus	ppm	852				
Barium	ppm	0				
Boron	ppm	0				

 Depot:
 VOLVO8885

 Unique No:
 10858566

 Signed:
 Jonathan Hester

 Report Date:
 05 Feb 2024

Report Id: VOLVO8885 [WUSCAR] 06076475 (Generated: 02/05/2024 12:22:48) Rev: 1

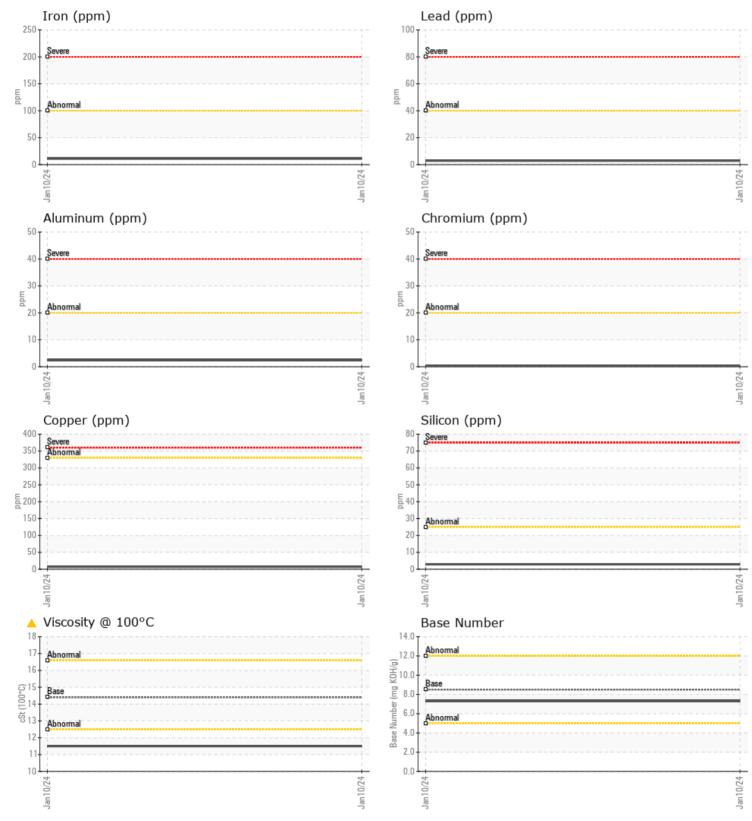
Contact/Location: DAVE ENG - VOLVO8885

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO8885 [WUSCAR] 06076475 (Generated: 02/05/2024 12:22:50) Rev: 1

Contact/Location: DAVE ENG - VOLVO8885