## CONSTRUCTION EQUIPMENT SW-27010-2 RIGID VOLVO L70H 624473 - DIESEL ENGINE



 Sample No:
 VCP434547

 Oil Type:
 VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

 Job No:
 SW-27010-2 RIGID

VOLVO

## SAMPLE INFORMATION

Copper

Aluminum

Chromium

Nickel

Silver

Titanium

Manganese

Vanadium

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

Molybdenum

Lead

Tin

Sample Number	-	VCP434547	VCP357496		
Sample Date		27 Nov 2023	20 Oct 2022		
Machine Hours		1008	714		
Oil Hours		300	714		
Oil Changed		Changed	Changed		
Sample Status		NORMAL	ATTENTION		
OIL COND	ITION				
Visc @ 100°C	cSt	13.3	<b>▲</b> 12.0		
Base Number (BN)	mg KOH/g	<b>10.0</b>	11.0		
Oxidation (PA)	%	61	80		
CONTAMINATION					
Water	%	NEG	NEG		
Soot %	%	0.2	0.4		
Nitration (PA)	%	47	66		
Sulfation (PA)	%	53	65		
Glycol	%	NEG	NEG		
Fuel	%	<1.0	0.6		
Silicon	ppm	6	<b>1</b> 5		
Sodium	ppm	0	2		
Potassium	ppm	∎1	1		
WEAR ME	TALS				
Iron	ppm	34	69		

7

< 1

3

23

6

37

0

<1

0

<1

1560

568

■ 1126 ■ 889

0

46

5



ARNOLD MACHINERY COMPANY

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## 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 acceptable for the time in service.

 Depot:
 VOLV08770

 Unique No:
 10767964

 Signed:
 Sean Felton

 Report Date:
 05 Dec 2023

Report Id: VOLVO8770 [WUSCAR] 06023464 (Generated: 12/05/2023 15:45:54) Rev: 1

2

0

<1

5

2

53

■ <1

0

0

<1

0

1180

776

1078

886

2

17

ppm

**ADDITIVES** 

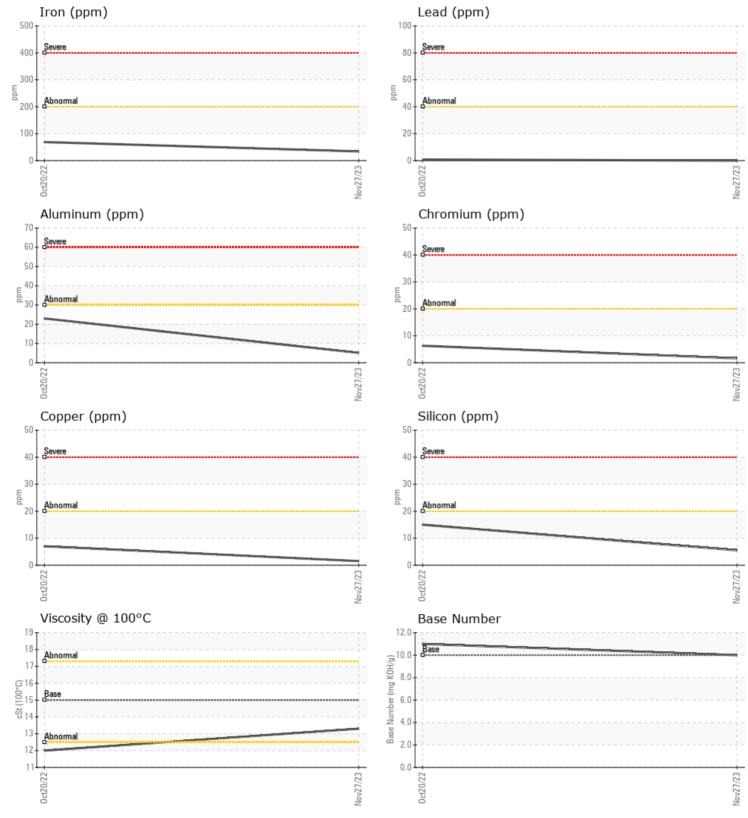
Contact/Location: TONY PAYAN - VOLVO8770

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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Contact/Location: TONY PAYAN - VOLVO8770