## **CONSTRUCTION EQUIPMENT** HILLSBOROUGH CITY VOLVO L70H 632864 - DIESEL ENGINE

Sample No: VCP429375

VOLVO

**Oil Type: DIESEL ENGINE OIL SAE 15W40** HILLSBOROUGH CITY

Job No:

## SAMPLE INFORMATION Sample Number VCP429375 VCP389359 Sample Date 09 Oct 2023 19 Oct 2022 Machine Hours 8172 825 Oil Hours 0 0 Oil Changed N/A N/A ABNORMAL NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 13.5 13.2 10.4 Base Number (BN) mg KOH/g 9.2 Oxidation (PA) 81 % 71 CONTAMINATION % 0.5 Soot % 0.3 % Nitration (PA) 76 74

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Sulfation (PA)	%	57	63	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	< 1.0	 
Silicon	ppm	🔺 29	16	 
Sodium	ppm	2	4	 
Potassium	ppm	2	2	 

CAD METAL

WLAK M	LIALS			
Iron	ppm	22	228	 
Copper	ppm	<b>1</b>	7	 
Lead	ppm	3	5	 
Tin	ppm	<b>1</b>	2	 
Aluminum	ppm	🔺 24	16	 
Chromium	ppm	<b>1</b>	7	 
Molybdenum	ppm	58	31	 
Nickel	ppm	<b></b> <1	<1	 
Titanium	ppm	0	<b></b> <1	 
Silver	ppm	<b></b> <1	<1	 
Manganese	ppm	■ <1	7	 
Vanadium	ppm	0	<1	 

ADDITIVES							
Calcium	ppm	<b>1000</b>	1654				
Magnesium	ppm	921	490				
Zinc	ppm	1283	1099				
Phosphorus	ppm	<b>1068</b>	884				
Barium	ppm	0	0				
Boron	ppm	<b>45</b>	46				
Boron	ppm	<b>4</b> 5	46				



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC 8418 PALM RIVER ROAD TAMPA, FL US 33619 Contact: KENNY HANEY khaney@flaglerce.com T: (813)630-0077

## Diagnosis

F: (813)630-2233

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Resample at the next service interval to monitor.All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress. 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: VOLVO0093 Unique No: 10739022 Signed: Don Baldridge Report Date: 15 Nov 2023

Report Id: VOLVO0093 [WUSCAR] 06005260 (Generated: 11/15/2023 13:41:40) Rev: 1

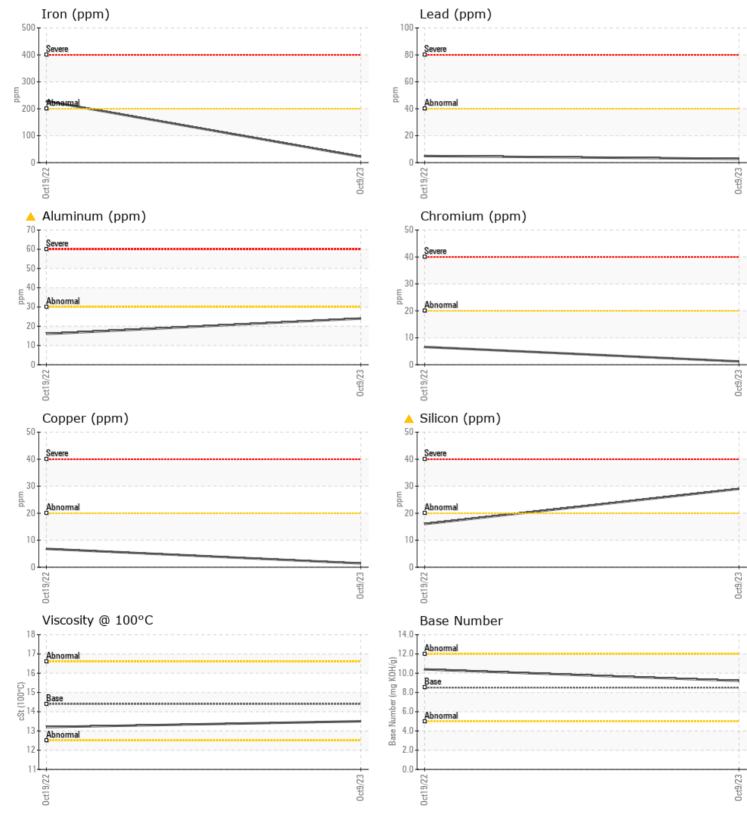
Contact/Location: KENNY HANEY - VOLVO0093

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO0093 [WUSCAR] 06005260 (Generated: 11/15/2023 13:41:43) Rev: 1

Contact/Location: KENNY HANEY - VOLVO0093