## **CONSTRUCTION EQUIPMENT** 57978 ENDURANCE VOLVO L 1 1 OH 63 1866 - DIESEL ENGINE

Sample No: VCP0007150 **Oil Type: DIESEL ENGINE OIL SAE 15W40** 

VOLVO

Job No:

57978 ENDURANCE

22

3

2

VOLVO				
SAMPLE	INFORMATION			
Sample Number		VCP0007150	 	
Sample Date		29 Jun 2023	 	
Machine Hours		5973	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CONI	DITION			
Visc @ 100°C	cSt	13.66	 	
Base Number (BN	I) mg KOH/g	<b>4.9</b>	 	
Oxidation (PA)	%	78	 	
CONTAM	IINATION			
Soot %	%	∎1.1	 	
Nitration (PA)	%	90	 	
Sulfation (PA)	%	66	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	



**114 - ASCENDUM MACHINERY INC - CONCORD** 1025 INTERNATIONAL DR NW CONCORD, NC US 28027 Contact: JEFF WILBANKS jeff.wilbanks@ascendummachinery.com T: (704)599-8179 F: (704)596-1362

## Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The aluminum level is abnormal. All other component wear rates are normal. Elemental level of silicon (Si) above normal. 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.

Potassium 1

ppm

ppm

ppm

Silicon

Sodium

WEAR N	METALS			
Iron	ppm	53	 	
Copper	ppm	<b>4</b>	 	
Lead	ppm	3	 	
Tin	ppm	2	 	
Aluminum	ppm	<u> </u>	 	
Chromium	ppm	3	 	
Molybdenum	ppm	59	 	
Nickel	ppm	2	 	
Titanium	ppm	25	 	
Silver	ppm	0	 	
Manganese	ppm	■ <1	 	
Vanadium	ppm	<1	 	

ADDITIVES							
Calcium	ppm	<b>1981</b>					
Magnesium	ppm	519					
Zinc	ppm	1434					
Phosphorus	ppm	1144					
Barium	ppm	0					
Boron	ppm	27					

Depot: VOLVO0016 Unique No: 10539932 Signed: Report Date:

Don Baldridge 07 Jul 2023

Report Id: VOLVO0016 [WUSCAR] 05889449 (Generated: 07/12/2023 13:22:24) Rev: 1

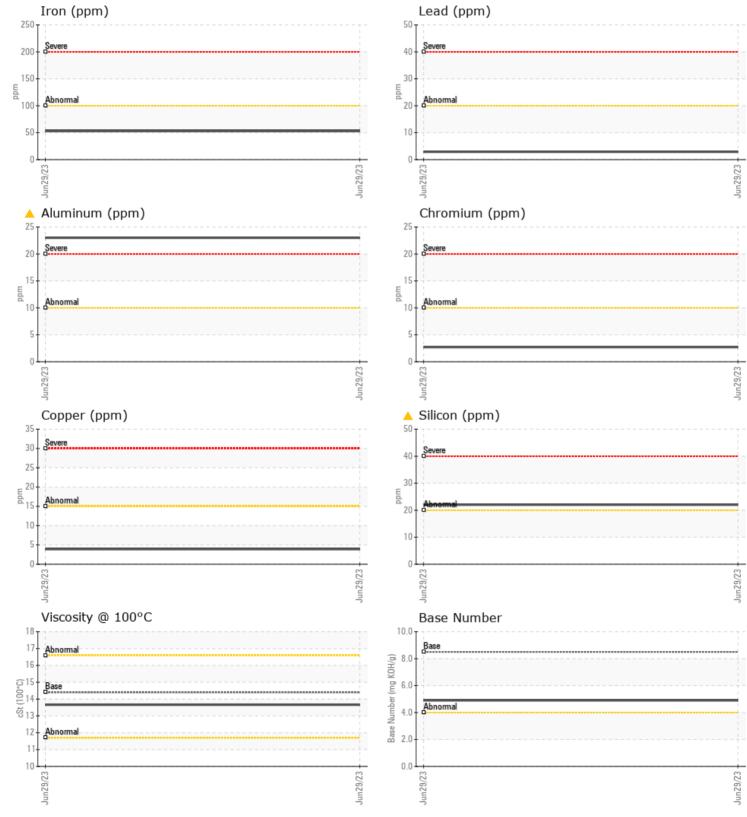
Submitted By: CHRISTOPHER CANIPE

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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Submitted By: CHRISTOPHER CANIPE