

## **CONSTRUCTION EQUIPMENT**

286664 PASCO EXC VOLVO L 150H 7073 - DIESEL ENGINE

Sample No: VCP392706

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

**Job No:** 286664 PASCO EXC

Sample Number   VCP392706	VOLVO				
Sample Date   21 Jun 2023	SAMPLE II	NFORMATION			
Sample Date   21 Jun 2023	Sample Number	-	VCP392706	 	
Machine Hours   500			21 Jun 2023	 	
Dil Hours   Dil Changed   Changed	•			 	
Changed   Chan				 	
Sample Status				 	
OIL CONDITION  Visc @ 100°C				 	
OIL CONDITION	Sample Status		110111111111		
Visc @ 100°C	VOLVO				
Base Number (BN)   mg KOH/g	OIL CONDI	TION			
Contamination   Contaminatio   Contamination   Contamination   Contamination   Contamination	Visc @ 100°C	cSt	<b>12.6</b>	 	
CONTAMINATION  Soot %	Base Number (BN)	mg KOH/g	■7.2	 	
CONTAMINATION	Oxidation (PA)	%	86	 	
CONTAMINATION					
Scot %		IATION		 	
Nitration (PA)	_		<u> </u>	 	
Sulfation (PA) % 64				 	
Glycol		%	83	 	
Solicon			64	 	
Solicon   ppm   9	Glycol	%	■ 0.0	 	
Sodium	Fuel	%	<1.0	 	
WEAR METALS           Iron         ppm         13  -	Silicon	ppm	■9	 	
WEAR METALS           Iron         ppm         13              Copper         ppm         51              Lead         ppm         1              Aluminum         ppm         1              Aluminum         ppm         1              Chromium         ppm         <1	Sodium	ppm	<b>4</b>	 	
WEAR METALS           Iron         ppm         13  -	Potassium	ppm	<b>■</b> 0	 	
WEAR METALS           Iron         ppm         13  -					
Tron	VOLVO WEAD ME	TALC			
Copper         ppm         51 </td <td>WEAK ME</td> <td>IHL</td> <td><u> </u></td> <td> </td> <td></td>	WEAK ME	IHL	<u> </u>	 	
Lead       ppm       <1	Iron	ppm	_	 	
Tin         ppm         1              Aluminum         ppm         1              Chromium         ppm         <1	Copper	ppm	<b>■</b> 51	 	
Aluminum       ppm       1            Chromium       ppm       <1	Lead	ppm		 	
Chromium         ppm         Image: square sq	Tin	ppm	<b>1</b>	 	
Molybdenum         ppm         52              Nickel         ppm         2              Titanium         ppm         <1	Aluminum	ppm	<b>1</b>	 	
Nickel         ppm         2 <td>Chromium</td> <td>ppm</td> <td><b>■</b>&lt;1</td> <td> </td> <td></td>	Chromium	ppm	<b>■</b> <1	 	
Titanium         ppm         <1              Silver         ppm         0              Manganese         ppm         1	Molybdenum	ppm	<b>52</b>	 	
Silver         ppm         0               Manganese         ppm         1	Nickel	ppm	<b>2</b>	 	
Silver         ppm         0               Manganese         ppm         1	Titanium	ppm	<1	 	
	Silver		<b>■</b> 0	 	
	Manganese	ppm	<b>1</b>	 	
	Vanadium	ppm	<1	 	



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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 suitable for further service.

Depot:VOLVO0093Unique No:10565425Signed:Wes DavisReport Date:25 Jul 2023

**1761** 

■484 ■1087

**824** 

**0** 

**12** 

**ADDITIVES** 

ppm

ppm

ppm

ppm

ppm

ppm

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus



## **CONSTRUCTION EQUIPMENT**





## GRAPHS

