Sample No:VCP412073Oil Type:VOLVO ULTRA DIESE

%

%

ppm

ppm

ppm

Glycol

Silicon

Sodium

Potassium

Fuel

VOLVO

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

NEG

<1.0

5

**-** <1

5 🔲

Job No:

581259 KRACKEN

SAMPLE INFORMATION           Sample Number         VCP412073              Sample Date         01 Aug 2023              Machine Hours         11161              Oil Hours         250              Oil Hours         250              Oil Changed         Changed              Sample Status         NORMAL              Sample Status         NORMAL              Visc @ 100°C         cSt         13.1              Base Number (BN)         mg KOH/g         6.5              Oxidation (PA)         %         60               Soot %         %         0.3				
Sample Date         O1 Aug 2023              Machine Hours         11161              Oil Hours         250              Oil Changed         Changed              Sample Status         NORMAL              OIL CONDITION         Visc @ 100°C         cSt         13.1             Sase Number (BN)         mg KOH/g         6.5              Oxidation (PA)         %         60              Soot %         %         0.3		ORMATION		
Machine Hours       11161            Oil Hours       250            Oil Changed       Changed            Sample Status       NORMAL            Oil CONDITION             Visc @ 100°C       cSt       13.1           Base Number (BN)       mg KOH/g       60           Oxidation (PA)       %       60           Soot %       %       0.3	ple Number	VCP412073		 
Oil Hours         250              Oil Changed         Changed              Sample Status         NORMAL              OIL CONDITION         Visc @ 100°C         cSt         13.1             Wisc @ 100°C         cSt         13.1              Base Number (BN)         mg KOH/g         6.5              Oxidation (PA)         %         60              Soot %         %         0.3	ple Date	01 Aug 2023	3	 
Oil Changed         Changed              Sample Status         NORMAL              OIL CONDITION               Visc @ 100°C         cSt         13.1              Base Number (BN)         mg KOH/g         66.5               Oxidation (PA)         %         60               Soot %         %         0.3	nine Hours	11161		 
Sample Status         NORMAL              OIL CONDITION         011 CONDITION              Visc @ 100°C         cSt         13.1              Base Number (BN)         mg KOH/g         6.5              Oxidation (PA)         %         60              CONTAMINATION                Soot %         %         0.3	lours	250		 
OIL CONDITION           Visc @ 100°C         cSt         13.1             Base Number (BN)         mg KOH/g         6.5	hanged	Changed		 
OIL CONDITION           Visc @ 100°C         cSt         13.1              Base Number (BN)         mg KOH/g         6.5              Oxidation (PA)         %         60              CONTAMINATION                Soot %         %         0.3	ple Status	NORMAL		 
OIL CONDITION           Visc @ 100°C         cSt         13.1             Base Number (BN)         mg KOH/g         6.5              Oxidation (PA)         %         60               CONTAMINATION                 Soot %         %         0.3				
Base Number (BN)         mg KOH/g         6.5              Oxidation (PA)         %         60               CONTAMINATION                 Soot %         %         0.3	🎾 OIL CONDITI	ON		
Oxidation (PA)         %         60              CONTAMINATION         0.3	@ 100°C	cSt <b>13.1</b>		 
CONTAMINATION           Soot %         %	Number (BN)	mg KOH/g <b>□6.5</b>		 
CONTAMINATION           Soot %         %	ation (PA)	% 60		 
CONTAMINATION           Soot %         %				
Soot % % 🔲 0.3		TION		
		-		
Nitration (PA) % 60	. %	% 0.3		 
	tion (PA)	% 60		 
Sulfation (PA) % <b>59</b>	ition (PA)	% 59		 

ALTA EQUIPMENT COMPANY - METRO WEST

56195 PONTIAC TRAIL NEW HUDSON, MI US 48165 Contact: PAUL CONZ paul.conz@altg.com T: (313)348-8861 F: (248)356-2029

## 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.

WFAR	METALS			
Iron	ppm	6	 	
Copper	ppm		 	
Lead	ppm	<b></b> <1	 	
Tin	ppm	0	 	
Aluminum	ppm	<b>  </b> <1	 	
Chromium	ppm	0	 	
Molybdenum	ppm	96	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	<b></b> <1	 	
Vanadium	ppm	0	 	

**ADDITIVES** 1458 Calcium ppm Magnesium 475 ppm 1337 Zinc ppm Phosphorus ppm 1046 Barium 0 🔲 ppm 301 Boron ppm

 Depot:
 VOLVO2990

 Unique No:
 10604677

 Signed:
 Jonathan Hester

 Report Date:
 16 Aug 2023

Report Id: VOLVO2990 [WUSCAR] 05924730 (Generated: 08/16/2023 12:47:24) Rev: 1

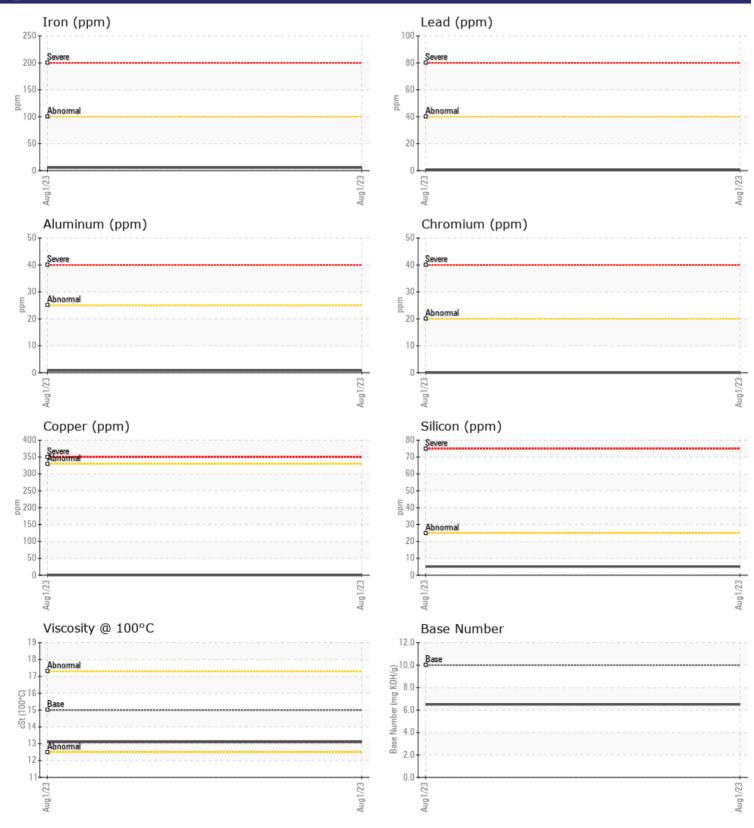
Contact/Location: PAUL CONZ - VOLVO2990

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO2990 [WUSCAR] 05924730 (Generated: 08/16/2023 12:47:26) Rev: 1

Contact/Location: PAUL CONZ - VOLVO2990