## **CONSTRUCTION EQUIPMENT** VOLVO ECR305CL 110051 - DIESEL ENGINE 8000389895

Sample No: VCP393175 **Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:

8000389895

## **SAMPLE INFORMATION**

ppm

ppm

ppm

12

**284** 

VOLVO

Sample Number	-	VCP393175	VCP132195				
Sample Date		15 Jan 2024	29 May 2012				
Machine Hours		15678	2084				
Oil Hours		0	0				
Oil Changed		Changed	Not Changd				
Sample Status		SEVERE	NORMAL				
OIL CONDITION							
Visc @ 100°C	cSt	<b>13.1</b>	12.0				
Oxidation (PA)	%	73	58				
CONTAMINATION							
Water	%	NEG	NEG				
Soot %	%	■0.1	0				
Nitration (PA)	%	65	48				
Sulfation (PA)	%	59	74				
Glycol	%	0.639	NEG				
Fuel	%	<1.0	0.0				



STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD MISSISSAUGA, ON CA L4W 4L4 Contact: Janice Cripps jcripps@strongco.com T: (905)565-3876 F: (905)670-2338

## Diagnosis

We advise that you check for the source of the coolant leak. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. Test for glycol is positive. There is a high concentration of glycol present in the oil. The oil is no longer serviceable due to the presence of contaminants.

VOLVO								
WEAR METALS								
			<u>.</u>					
Iron	ppm	23	4					
Copper	ppm	<b>7</b>	<1					
Lead	ppm	3	<1					
Tin	ppm		0					
Aluminum	ppm	3	< 1					
Chromium	ppm	5	<1					
Molybdenum	ppm	44	6					
Nickel	ppm		0					
Titanium	ppm	0	<1					
Silver	ppm	0	<1					
Manganese	ppm	2	0					
Vanadium	ppm	0	0					

4

0

5

Silicon

Sodium

Potassium

1

ADDITIVES								
Calcium	ppm	1713	2601					
Magnesium	ppm	425	118					
Zinc	ppm	<b>1084</b>	1369					
Phosphorus	ppm	967	998					
Barium	ppm	■<1	0					
Boron	ppm	<b>49</b>	31					

Depot: SHEMIS Unique No: 5709997 Signed: Kevin Marson Report Date: 16 Jan 2024

Report Id: SHEMIS [WCAMIS] 02608911 (Generated: 01/16/2024 16:52:34) Rev: 1

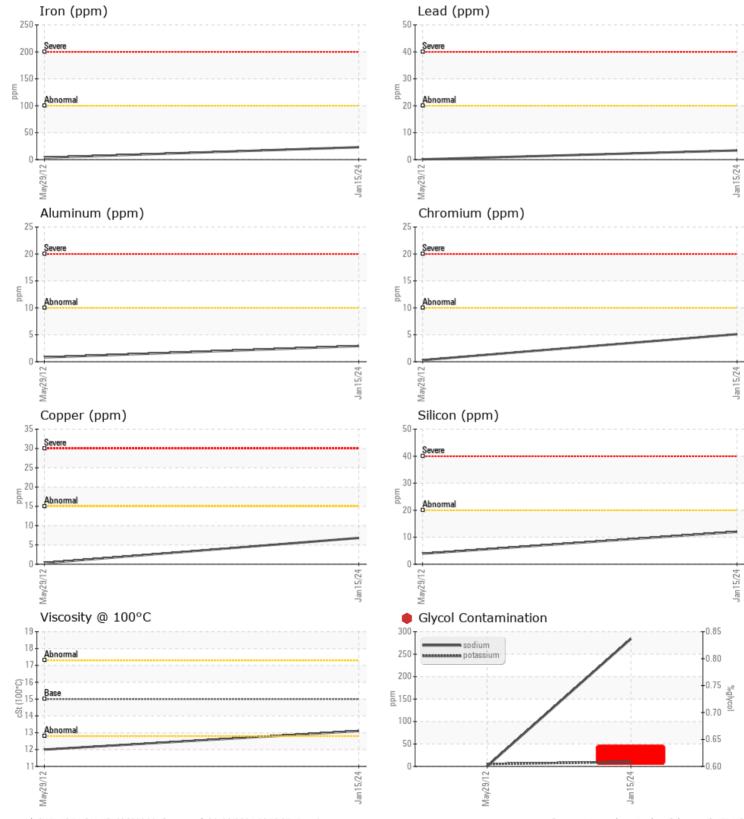
Contact/Location: Janice Cripps - SHEMIS

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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Contact/Location: Janice Cripps - SHEMIS