



CONSTRUCTION EQUIPMENT

8000389895 VOLVO ECR305CL 110051 - DIESEL ENGINE



Sample No: VCP393175
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 8000389895



SAMPLE INFORMATION

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	---	---

STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD
 MISSISSAUGA, ON
 CA L4W 4L4

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OIL CONDITION

Visc @ 100°C	cSt	13.1	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	---	---
Silicon	ppm	12	4	---	---
Sodium	ppm	284	0	---	---
Potassium	ppm	10	5	---	---

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.



WEAR METALS

Iron	ppm	23	4	---	---
Copper	ppm	7	<1	---	---
Lead	ppm	3	<1	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	3	<1	---	---
Chromium	ppm	5	<1	---	---
Molybdenum	ppm	44	6	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	2	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1713	2601	---	---
Magnesium	ppm	425	118	---	---
Zinc	ppm	1084	1369	---	---
Phosphorus	ppm	967	998	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	49	31	---	---

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



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GRAPHS

