



CONSTRUCTION EQUIPMENT

SWA412551 VOLVO MCT135C 1640446 - DIESEL ENGINE



Sample No: VCP430843
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SWA412551



SAMPLE INFORMATION

Sample Number	VCP430843	VCP124949	---	---
Sample Date	27 Nov 2023	07 May 2013	---	---
Machine Hours	3204	363	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	SEVERE	NORMAL	---	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
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OIL CONDITION

Visc @ 100°C	cSt	---	█ 12.87	---	---
Oxidation (PA)	%	---	█ 24	---	---

CONTAMINATION

Water	%	█ 99.0	NEG	---	---
Soot %	%	---	█ 0	---	---
Nitration (PA)	%	---	█ 25	---	---
Sulfation (PA)	%	---	█ 33	---	---
Glycol	%	█ 0.0	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 0	█ 45	---	---
Sodium	ppm	█ 42	█ 58	---	---
Potassium	ppm	█ 6	█ 1	---	---

Diagnosis

We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. Please note that there was too much water present in the oil to perform a viscosity test. All component wear rates are normal. Sample consists almost entirely of free water. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

WEAR METALS

Iron	ppm	█ 0	█ 13	---	---
Copper	ppm	█ <1	█ 12	---	---
Lead	ppm	█ <1	█ 2	---	---
Tin	ppm	█ 1	█ 1	---	---
Aluminum	ppm	█ <1	█ 1	---	---
Chromium	ppm	---	█ <1	---	---
Molybdenum	ppm	█ 7	█ <1	---	---
Nickel	ppm	---	█ <1	---	---
Titanium	ppm	---	0	---	---
Silver	ppm	---	0	---	---
Manganese	ppm	---	█ 12	---	---
Vanadium	ppm	---	0	---	---

ADDITIVES

Calcium	ppm	▲ 12	█ 3116	---	---
Magnesium	ppm	█ 7	7	---	---
Zinc	ppm	▲ 21	█ 1105	---	---
Phosphorus	ppm	▲ 19	█ 1052	---	---
Barium	ppm	---	█ <1	---	---
Boron	ppm	█ 0	█ 2	---	---

Depot: VOLV00142
Unique No: 10766419
Signed: Jonathan Hester
Report Date: 05 Dec 2023



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GRAPHS

