



CONSTRUCTION EQUIPMENT

11976 VOLVO L120F 66750 - DIESEL ENGINE



Sample No: VCP444089
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 11976



SAMPLE INFORMATION

Sample Number	VCP444089	VCE157479	---	---
Sample Date	24 Jan 2024	28 Mar 2013	---	---
Machine Hours	19000	7247	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	SEVERE	NORMAL	---	---

WASTE MANAGEMENT

61 BROAD AVE.
 FAIRVIEW, NJ
 US 07022
 Contact: ART D'ALESIO
 adalesio@wm.com
 T: (201)832-8124
 F:



OIL CONDITION

Visc @ 100°C	cSt	█ 17.0	█ 14.82	---	---
Base Number (BN)	mg KOH/g	█ 24.5	---	---	---
Oxidation (PA)	%	57	█ 48	---	---

Diagnosis

We advise that you check for the source of the coolant leak. 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. The copper level is abnormal. Sodium and/or potassium levels are high. 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.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.2	█ 0.2	---	---
Nitration (PA)	%	96	█ 42	---	---
Sulfation (PA)	%	53	█ 50	---	---
Glycol	%	● 0.20	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 8	█ 5	---	---
Sodium	ppm	▲ 1024	█ 32	---	---
Potassium	ppm	▲ 1110	█ 0	---	---



WEAR METALS

Iron	ppm	█ 14	█ 10	---	---
Copper	ppm	▲ 54	█ 30	---	---
Lead	ppm	█ 8	█ 3	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 5	█ 2	---	---
Chromium	ppm	█ 1	█ <1	---	---
Molybdenum	ppm	█ 171	█ <1	---	---
Nickel	ppm	█ 2	█ <1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	█ <1	0	---	---
Manganese	ppm	█ 2	█ <1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	█ 859	█ 2254	---	---
Magnesium	ppm	█ 945	█ 7	---	---
Zinc	ppm	█ 1292	█ 1115	---	---
Phosphorus	ppm	█ 1139	█ 936	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 52	█ 47	---	---

Depot: WASFAINJ
Unique No: 10857576
Signed: Don Baldrige
Report Date: 01 Feb 2024



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GRAPHS

