



CONSTRUCTION EQUIPMENT

VOLVO L70H 623604 - DIESEL ENGINE



Sample No: VCP0007436
Oil Type: NOT GIVEN
Job No:



SAMPLE INFORMATION

Sample Number	VCP0007436	---	---	---
Sample Date	12 Sep 2023	---	---	---
Machine Hours	4735	---	---	---
Oil Hours	4735	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

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 8750 PHILIPS HWY
 JACKSONVILLE, FL
 US 32256
 Contact: TECHNICIAN ACCOUNT
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 T:
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OIL CONDITION

Visc @ 100°C	cSt	4.1	---	---	---
Base Number (BN)	mg KOH/g	7.1	---	---	---
Oxidation (PA)	%	51	---	---	---



CONTAMINATION

Soot %	%	0.1	---	---	---
Nitration (PA)	%	70	---	---	---
Sulfation (PA)	%	44	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	67.0	---	---	---
Silicon	ppm	9	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	<1	---	---	---



WEAR METALS

Iron	ppm	11	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	8	---	---	---
Chromium	ppm	1	---	---	---
Molybdenum	ppm	20	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	739	---	---	---
Magnesium	ppm	234	---	---	---
Zinc	ppm	510	---	---	---
Phosphorus	ppm	435	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	12	---	---	---

Diagnosis

We advise that you check the fuel injection system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. Metal levels are typical for a components first oil change. There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO0092
Unique No: 10647206
Signed: Wes Davis
Report Date: 18 Sep 2023



CONSTRUCTION EQUIPMENT



GRAPHS

