



CONSTRUCTION EQUIPMENT

VOLVO A30G 742566 - DIESEL ENGINE



Sample No: VCP274399
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP274399	---	---	---
Sample Date	20 Sep 2020	---	---	---
Machine Hours	2000	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

Strongco Equipment
 5179 Fountain St N.
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OIL CONDITION

Visc @ 100°C	cSt	8.9	---	---	---
Oxidation (PA)	%	64	---	---	---



CONTAMINATION

Soot %	%	0.3	---	---	---
Nitration (PA)	%	79	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	11.7	---	---	---
Silicon	ppm	4	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	2	---	---	---

Diagnosis

We advise that you check the fuel injection system. 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. There is a high amount of fuel present in the oil. Tests confirm the presence of fuel 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.



WEAR METALS

Iron	ppm	13	---	---	---
Copper	ppm	4	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	10	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1240	---	---	---
Magnesium	ppm	568	---	---	---
Zinc	ppm	735	---	---	---
Phosphorus	ppm	638	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	24	---	---	---

Depot: CASKIT
Unique No: 5111350
Signed: Wes Davis
Report Date: 08 Oct 2020



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GRAPHS

