



CONSTRUCTION EQUIPMENT

X46236 WOMBLE VOLVO EC750 314232 - DIESEL ENGINE



Sample No: VCP434784
Oil Type: NOT GIVEN
Job No: X46236 WOMBLE



SCOTT EQUIPMENT COMPANY LLC - Saint Rose
PO BOX 997
SAINT ROSE, LA
US 70087
Contact: DENISE CORVERS
dcorvers@scottcompanies.com
T: (504)461-0961
F: (504)461-0970

SAMPLE INFORMATION

Sample Number	VCP434784	---	---	---
Sample Date	27 Nov 2023	---	---	---
Machine Hours	6217	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	▲ 11.1	---	---	---
Base Number (BN)	mg KOH/g	■ 24.4	---	---	---
Oxidation (PA)	%	78	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.6	---	---	---
Nitration (PA)	%	132	---	---	---
Sulfation (PA)	%	27	---	---	---
Glycol	%	▲ 0.06	---	---	---
Fuel	%	▲ 8.9	---	---	---
Silicon	ppm	■ 8	---	---	---
Sodium	ppm	▲ 259	---	---	---
Potassium	ppm	▲ 84	---	---	---

WEAR METALS

Iron	ppm	■ 14	---	---	---
Copper	ppm	▲ 99	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 3	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 57	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	■ <1	---	---	---

ADDITIVES

Calcium	ppm	■ 1087	---	---	---
Magnesium	ppm	■ 703	---	---	---
Zinc	ppm	■ 1102	---	---	---
Phosphorus	ppm	■ 885	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 60	---	---	---

Diagnosis

We advise that you check for the source of the coolant leak. Check for low coolant level. We advise that you check the fuel injection system. We recommend an early resample to monitor this condition. The copper level is abnormal. All other component wear rates are normal. Sodium and/or potassium levels are high. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

Depot: SCOSAI
Unique No: 10765828
Signed: Jonathan Hester
Report Date: 05 Dec 2023



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GRAPHS

