



CONSTRUCTION EQUIPMENT

TMR-TAMPA NOT GIVEN VCP411609 VOLVO L90E NOT GIVEN - DIESEL ENGINE



Sample No: VCP411609

Oil Type: {unknown}

Job No:



SAMPLE INFORMATION

Sample Number	VCP411609	---	---	---
Sample Date	02 Oct 2023	---	---	---
Machine Hours	16722	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

TRADEMARK METALS RECYCLING - SUTTON
 5220 DOVER STREET
 TAMPA, FL
 US 33619
 Contact: RYAN BOWDEN



OIL CONDITION

Visc @ 100°C	cSt	▲ 11.1	---	---	---
Base Number (BN)	mg KOH/g	■ 7.5	---	---	---
Oxidation (PA)	%	83	---	---	---

T:
 F: (813)677-3007

Diagnosis

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. All component wear rates are normal. There is a moderate 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.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 1	---	---	---
Nitration (PA)	%	81	---	---	---
Sulfation (PA)	%	64	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 7.0	---	---	---
Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 0	---	---	---



WEAR METALS

Iron	ppm	■ 26	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ 10	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 40	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 1381	---	---	---
Magnesium	ppm	■ 459	---	---	---
Zinc	ppm	■ 997	---	---	---
Phosphorus	ppm	■ 821	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 41	---	---	---

Depot: TRATAMFL
 Unique No: 10846874
 Signed: Wes Davis
 Report Date: 29 Jan 2024



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GRAPHS

