



CONSTRUCTION EQUIPMENT

SWA092698 GULF RENT VOLVO L30GS 3220275 - DIESEL ENGINE



Sample No: VCP386712
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SWA092698 GULF RENT



SAMPLE INFORMATION

Sample Number	VCP386712	VCP312522	---	---
Sample Date	01 Nov 2022	28 Dec 2021	---	---
Machine Hours	5081	4221	---	---
Oil Hours	860	4221	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	▲ 10.5	▲ 11.1	---	---
Base Number (BN)	mg KOH/g	■ 9.5	■ 9.4	---	---
Oxidation (PA)	%	88	84	---	---



CONTAMINATION

Soot %	%	■ 0.7	■ 0.3	---	---
Nitration (PA)	%	100	75	---	---
Sulfation (PA)	%	64	63	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	▲ 8.9	▲ 9.7	---	---
Silicon	ppm	■ 7	■ 6	---	---
Sodium	ppm	■ 3	■ <1	---	---
Potassium	ppm	■ 0	■ <1	---	---



WEAR METALS

Iron	ppm	■ 23	■ 10	---	---
Copper	ppm	■ 2	■ <1	---	---
Lead	ppm	■ <1	■ <1	---	---
Tin	ppm	■ <1	■ <1	---	---
Aluminum	ppm	■ 3	■ 1	---	---
Chromium	ppm	■ <1	■ <1	---	---
Molybdenum	ppm	■ 48	■ 43	---	---
Nickel	ppm	■ 0	■ 0	---	---
Titanium	ppm	■ 0	■ <1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	■ <1	■ <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	■ 1507	■ 1581	---	---
Magnesium	ppm	■ 447	■ 444	---	---
Zinc	ppm	■ 938	■ 981	---	---
Phosphorus	ppm	■ 780	■ 817	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 30	■ 37	---	---

Diagnosis

We advise that you check the fuel injection system. Oil and filter 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. 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: VOLVO0090
Unique No: 10205825
Signed: Don Baldrige
Report Date: 11 Nov 2022



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GRAPHS

