



# CONSTRUCTION EQUIPMENT

## JLG SKYTRAK 10054 118131 - DIESEL ENGINE



**Sample No:** VCP350867  
**Oil Type:** DIESEL ENGINE OIL SAE 5W40  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP350867	---	---	---
Sample Date	30 Nov 2023	---	---	---
Machine Hours	851	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

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### OIL CONDITION

Visc @ 100°C	cSt	▲ 12.0	---	---	---
Base Number (BN)	mg KOH/g	■ 7.4	---	---	---
Oxidation (PA)	%	61	---	---	---

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	67	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.2	---	---	---
Silicon	ppm	■ 12	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 1	---	---	---

**Diagnosis**  
 Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

### WEAR METALS

Iron	ppm	■ 32	---	---	---
Copper	ppm	■ 21	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 70	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	■ 1168	---	---	---
Magnesium	ppm	■ 1132	---	---	---
Zinc	ppm	■ 1554	---	---	---
Phosphorus	ppm	■ 1231	---	---	---
Barium	ppm	■ 13	---	---	---
Boron	ppm	■ 91	---	---	---

**Depot:** VOLVO0090  
**Unique No:** 10767391  
**Signed:** Jonathan Hester  
**Report Date:** 08 Dec 2023



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## GRAPHS

