



# CONSTRUCTION EQUIPMENT

## X59594 KOBELCO SK350LC-II LC16030017 - DIESEL ENGINE



**Sample No:** VCP437025  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** X59594



### SAMPLE INFORMATION

Sample Number	VCP437025	---	---	---
Sample Date	10 May 2024	---	---	---
Machine Hours	650	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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



### OIL CONDITION

Visc @ 100°C	cSt	█ 13.7	---	---	---
Base Number (BN)	mg KOH/g	█ 7.5	---	---	---
Oxidation (PA)	%	37	---	---	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.7	---	---	---
Nitration (PA)	%	62	---	---	---
Sulfation (PA)	%	45	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 18	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 4	---	---	---



### WEAR METALS

Iron	ppm	█ 36	---	---	---
Copper	ppm	█ 12	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 5	---	---	---
Aluminum	ppm	█ 7	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 5	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 6	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	█ 2198	---	---	---
Magnesium	ppm	█ 8	---	---	---
Zinc	ppm	█ 1196	---	---	---
Phosphorus	ppm	█ 1061	---	---	---
Barium	ppm	█ 1	---	---	---
Boron	ppm	█ 193	---	---	---

**Depot:** SCOSAI  
**Unique No:** 11031012  
**Signed:** Sean Felton  
**Report Date:** 17 May 2024



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## GRAPHS

