



CONSTRUCTION EQUIPMENT

SWA332363 KELLEY JCB 541-70 2725141 - DIESEL ENGINE



Sample No: VCP435456
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: SWA332363 KELLEY



SAMPLE INFORMATION

Sample Number	VCP435456	---	---	---
Sample Date	17 Oct 2023	---	---	---
Machine Hours	4456	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JIM STRIGLE
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	---	---	---
Base Number (BN)	mg KOH/g	█ 7.6	---	---	---
Oxidation (PA)	%	61	---	---	---

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

Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	72	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 26	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 9	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 59	---	---	---
Nickel	ppm	█ 7	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1617	---	---	---
Magnesium	ppm	█ 560	---	---	---
Zinc	ppm	█ 1277	---	---	---
Phosphorus	ppm	█ 993	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 6	---	---	---

Depot: VOLVO0142
Unique No: 10701752
Signed: Don Baldrige
Report Date: 21 Oct 2023



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GRAPHS

