



CONSTRUCTION EQUIPMENT

SWA413011 WALSH CONS VOLVO ECR145EL 315516 - DIESEL ENGINE



Sample No: VCP441627
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SWA413011 WALSH CONS



ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
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SAMPLE INFORMATION

Sample Number	VCP441627	---	---	---
Sample Date	10 Nov 2023	---	---	---
Machine Hours	2093	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 13.0	---	---	---
Base Number (BN)	mg KOH/g	█ 10.5	---	---	---
Oxidation (PA)	%	78	---	---	---



CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	49	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ <1	---	---	---



WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 0	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 33	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1595	---	---	---
Magnesium	ppm	█ 519	---	---	---
Zinc	ppm	█ 910	---	---	---
Phosphorus	ppm	█ 755	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 60	---	---	---

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 suitable for further service.

Depot: VOLVO8885
Unique No: 10740613
Signed: Wes Davis
Report Date: 15 Nov 2023



CONSTRUCTION EQUIPMENT



GRAPHS

