



CONSTRUCTION EQUIPMENT

17582088 ERE LLC VOLVO ECR145EL 315433 - DIESEL ENGINE



Sample No: VCP398876
Oil Type: VOLVO VDS-4.5 Premium Motor Oil 15W40
Job No: 17582088 ERE LLC



SAMPLE INFORMATION

Sample Number	VCP398876	---	---	---
Sample Date	18 Oct 2023	---	---	---
Machine Hours	1734	---	---	---
Oil Hours	624	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

TRANSOURCE TRUCK & EQUIPMENT

1810 DEADWOOD AVENUE
 RAPID CITY, SD
 US 57401

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	---	---	---
Base Number (BN)	mg KOH/g	█ 11.3	---	---	---
Oxidation (PA)	%	79	---	---	---

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.



CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	41	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 12	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 41	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1585	---	---	---
Magnesium	ppm	481	---	---	---
Zinc	ppm	█ 1061	---	---	---
Phosphorus	ppm	█ 889	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 71	---	---	---

Depot: VOLVO0037
Unique No: 10724892
Signed: Wes Davis
Report Date: 02 Nov 2023



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GRAPHS

