



CONSTRUCTION EQUIPMENT

SPM581001 RENTAL VOLVO ECR355EL 314709 - DIESEL ENGINE



Sample No: VCP422924
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM581001 RENTAL



SAMPLE INFORMATION

Sample Number	VCP422924	---	---	---
Sample Date	24 Jul 2023	---	---	---
Machine Hours	530	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

ALTA CONSTRUCTION EQUIPMENT
 613 E STEVENSON RD
 OTTAWA, IL
 US 61350
 Contact: KEVIN SKRTICH
 KEVIN.SKRTICH@ALTAEQUIPMENT.COM
 T:
 F:



OIL CONDITION

Visc @ 100°C	cSt	█ 13.0	---	---	---
Base Number (BN)	mg KOH/g	█ 7.1	---	---	---
Oxidation (PA)	%	41	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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)	%	53	---	---	---
Sulfation (PA)	%	45	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 14	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 4	---	---	---



WEAR METALS

Iron	ppm	█ 13	---	---	---
Copper	ppm	█ 14	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 6	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 9	---	---	---
Nickel	ppm	█ 8	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 1	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1850	---	---	---
Magnesium	ppm	█ 305	---	---	---
Zinc	ppm	█ 1068	---	---	---
Phosphorus	ppm	█ 933	---	---	---
Barium	ppm	█ 13	---	---	---
Boron	ppm	█ 9	---	---	---

Depot: VOLVO5055
Unique No: 10589091
Signed: Wes Davis
Report Date: 08 Aug 2023



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GRAPHS

