



CONSTRUCTION EQUIPMENT

VOLVO EC350EL 314185 - DIESEL ENGINE



Sample No: VCP0007520

Oil Type: NOT GIVEN

Job No:



SAMPLE INFORMATION

Sample Number	VCP0007520	VCP0007479	VCP362402	---
Sample Date	11 Aug 2023	03 May 2023	21 Mar 2022	---
Machine Hours	2151	644	644	---
Oil Hours	2151	644	644	---
Oil Changed	N/A	N/A	Not Changd	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---

ALTA EQUIPMENT COMPANY

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US 32256

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OIL CONDITION

Visc @ 100°C	cSt	12.5	11.1	15.0	---
Base Number (BN)	mg KOH/g	8.4	5.2	8.5	---
Oxidation (PA)	%	82	72	90	---



CONTAMINATION

Soot %	%	0.1	0.1	0.6	---
Nitration (PA)	%	71	78	113	---
Sulfation (PA)	%	60	57	64	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	0.6	<1.0	---
Silicon	ppm	5	23	12	---
Sodium	ppm	3	2	5	---
Potassium	ppm	1	4	38	---



WEAR METALS

Iron	ppm	4	11	36	---
Copper	ppm	10	▲ 245	13	---
Lead	ppm	1	2	2	---
Tin	ppm	1	2	<1	---
Aluminum	ppm	0	2	3	---
Chromium	ppm	0	0	1	---
Molybdenum	ppm	41	78	75	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	3	<1	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	1747	1921	1633	---
Magnesium	ppm	544	307	843	---
Zinc	ppm	1193	1241	977	---
Phosphorus	ppm	931	967	768	---
Barium	ppm	0	0	0	---
Boron	ppm	17	57	32	---

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: VOLVO0092

Unique No: 10605662

Signed: Wes Davis

Report Date: 16 Aug 2023



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GRAPHS

