



CONSTRUCTION EQUIPMENT

VOLVO EC250EL 314172 - DIESEL ENGINE



Sample No: VCP434046
Oil Type: VALVOLINE 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP434046	VCP364628	---	---
Sample Date	16 Dec 2023	02 Oct 2023	---	---
Machine Hours	2526	2232	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

CITY CARTING
 221 OLD GATE LN
 MILFORD, CT
 US 06460
 Contact: TAVINS BANKS
 tavins@citycart.net
 T: (203)223-3885
 F:



OIL CONDITION

Visc @ 100°C	cSt	12.3	12.8	---	---
Base Number (BN)	mg KOH/g	7.2	9.0	---	---
Oxidation (PA)	%	38	82	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. 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

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.2	---	---
Nitration (PA)	%	52	59	---	---
Sulfation (PA)	%	45	59	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	0.3	<1.0	---	---
Silicon	ppm	10	19	---	---
Sodium	ppm	0	3	---	---
Potassium	ppm	4	12	---	---



WEAR METALS

Iron	ppm	6	18	---	---
Copper	ppm	<1	4	---	---
Lead	ppm	0	0	---	---
Tin	ppm	<1	1	---	---
Aluminum	ppm	9	21	---	---
Chromium	ppm	<1	2	---	---
Molybdenum	ppm	35	42	---	---
Nickel	ppm	<1	3	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1986	1657	---	---
Magnesium	ppm	138	472	---	---
Zinc	ppm	976	1113	---	---
Phosphorus	ppm	756	912	---	---
Barium	ppm	0	0	---	---
Boron	ppm	18	24	---	---

Depot: CITMILCON
Unique No: 10796397
Signed: Wes Davis
Report Date: 26 Dec 2023



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GRAPHS

