



CONSTRUCTION EQUIPMENT

8000834646 VOLVO EC140E 314835 - DIESEL ENGINE



Sample No: VCP393510
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 8000834646



SAMPLE INFORMATION

Sample Number	VCP393510	---	---	---
Sample Date	10 Nov 2023	---	---	---
Machine Hours	2480	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

STRONGCO EQUIPMENT INC.
 55 ISNOR DRIVE, BURNSIDE INDUSTRIALPARK
 DARTMOUTH, NS
 CA B3B 1N6
 Contact: Justin Hennigar
 jhennigar@strongco.com
 T: (902)468-5010
 F: (902)468-2468



OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	---	---	---
Oxidation (PA)	%	█ 67	---	---	---



CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	█ 68	---	---	---
Sulfation (PA)	%	█ 57	---	---	---
Glycol	%	█ NEG	---	---	---
Fuel	%	█ <1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 34	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 7	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 60	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	█ 0	---	---	---



ADDITIVES

Calcium	ppm	█ 1265	---	---	---
Magnesium	ppm	█ 928	---	---	---
Zinc	ppm	█ 1191	---	---	---
Phosphorus	ppm	█ 979	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 6	---	---	---

Depot: SHEDAR
Unique No: 5681858
Signed: Wes Davis
Report Date: 16 Nov 2023



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GRAPHS

