



CONSTRUCTION EQUIPMENT

19095 GAINES RALEIGH VOLVO EC350EL 310871 - DIESEL ENGINE



Sample No: VCP427414
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 19095 GAINES RALEIGH



SAMPLE INFORMATION

Sample Number	VCP427414	---	---	---
Sample Date	08 Jul 2023	---	---	---
Machine Hours	4953	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

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 2002 N GREENE ST
 GREENVILLE, NC
 US 27834
 Contact: BRANDON JENKINS
 BRANDON.JENKINS@ASCENDUMMACHINERY.COM
 T:
 F: (704)494-8197



OIL CONDITION

Visc @ 100°C	cSt	▲ 12.3	---	---	---
Base Number (BN)	mg KOH/g	■ 7.7	---	---	---
Oxidation (PA)	%	■ 59	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



CONTAMINATION

Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	■ 65	---	---	---
Sulfation (PA)	%	■ 53	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	▲ 2.3	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 1	---	---	---



WEAR METALS

Iron	ppm	■ 4	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 62	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	■ 0	---	---	---



ADDITIVES

Calcium	ppm	■ 1113	---	---	---
Magnesium	ppm	■ 879	---	---	---
Zinc	ppm	■ 1220	---	---	---
Phosphorus	ppm	■ 1018	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 11	---	---	---

Depot: VOLVO8769
Unique No: 10552477
Signed: Don Baldrige
Report Date: 14 Jul 2023



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GRAPHS

