



CONSTRUCTION EQUIPMENT

TRADE IN 374084 VOLVO EC220EL 310758 - DIESEL ENGINE



Sample No: VCP380124
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 374084



SAMPLE INFORMATION

Sample Number	VCP380124	---	---	---
Sample Date	08 Aug 2023	---	---	---
Machine Hours	8202	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

STRONGCO EQUIPMENT

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 OTTAWA, ON
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 T:
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OIL CONDITION

Visc @ 100°C	cSt	▲ 11.7	---	---	---
Oxidation (PA)	%	76	---	---	---



CONTAMINATION

Soot %	%	■ 0	---	---	---
Nitration (PA)	%	■ 79	---	---	---
Sulfation (PA)	%	■ 61	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	■ 0.7	---	---	---
Silicon	ppm	■ 8	---	---	---
Sodium	ppm	■ 13	---	---	---
Potassium	ppm	■ <1	---	---	---

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. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	■ 13	---	---	---
Copper	ppm	■ 3	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 60	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 1728	---	---	---
Magnesium	ppm	■ 377	---	---	---
Zinc	ppm	■ 1242	---	---	---
Phosphorus	ppm	■ 1085	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 41	---	---	---

Depot: SHESTI
Unique No: 5620130
Signed: Kevin Marson
Report Date: 11 Aug 2023



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GRAPHS

