



CONSTRUCTION EQUIPMENT

218645 ALTA RENTS VOLVO EC480 311142 - DIESEL ENGINE



Sample No: VCP406886
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 218645 ALTA RENTS



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SAMPLE INFORMATION

Sample Number	VCP406886	---	---	---
Sample Date	19 Apr 2023	---	---	---
Machine Hours	5432	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	▲ 11.8	---	---	---
Base Number (BN)	mg KOH/g	■ 8.0	---	---	---
Oxidation (PA)	%	78	---	---	---

CONTAMINATION

Soot %	%	■ 0.2	---	---	---
Nitration (PA)	%	64	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 2.2	---	---	---
Silicon	ppm	■ 8	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 0	---	---	---

WEAR METALS

Iron	ppm	■ 10	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 42	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 1437	---	---	---
Magnesium	ppm	■ 473	---	---	---
Zinc	ppm	■ 957	---	---	---
Phosphorus	ppm	■ 824	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 25	---	---	---

Diagnosis

The oil 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. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The condition of the oil is suitable for further service.

Depot: VOLVO0096
Unique No: 10440755
Signed: Wes Davis
Report Date: 26 Apr 2023



CONSTRUCTION EQUIPMENT



GRAPHS

