



CONSTRUCTION EQUIPMENT

X48653 VOLVO EWR130 320676 - DIESEL ENGINE



Sample No: VCP442606
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: X48653



SAMPLE INFORMATION

Sample Number	VCP442606	---	---	---
Sample Date	27 Feb 2024	---	---	---
Machine Hours	463	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

SCOTT EQUIPMENT COMPANY LLC - Lake Charles
PO BOX 16955
LAKE CHARLES, LA
US 70616
Contact: TINA LEDOUX
tledoux@scottcompanies.com
T: (337)433-9811
F: (318)433-6623



OIL CONDITION

Visc @ 100°C	cSt	● 10.7	---	---	---
Base Number (BN)	mg KOH/g	■ 9.3	---	---	---
Oxidation (PA)	%	80	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Fuel content negligible. There is no indication of any contamination 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

Water	%	NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	48	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.3	---	---	---
Silicon	ppm	■ 21	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 1	---	---	---



WEAR METALS

Iron	ppm	■ 14	---	---	---
Copper	ppm	■ 5	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 21	---	---	---
Chromium	ppm	■ 3	---	---	---
Molybdenum	ppm	■ 33	---	---	---
Nickel	ppm	■ 9	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 4	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 1404	---	---	---
Magnesium	ppm	■ 478	---	---	---
Zinc	ppm	■ 1031	---	---	---
Phosphorus	ppm	■ 837	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 52	---	---	---

Depot: VOLVO6244
Unique No: 10909334
Signed: Don Baldrige
Report Date: 05 Mar 2024



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GRAPHS

