



CONSTRUCTION EQUIPMENT

VOLVO ECR40D 15426 - DIESEL ENGINE



Sample No: VCP441824
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP441824	---	---	---
Sample Date	25 Jan 2024	---	---	---
Machine Hours	474	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

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 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
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OIL CONDITION

Visc @ 100°C	cSt	▲ 11.2	---	---	---
Base Number (BN)	mg KOH/g	■ 8.9	---	---	---
Oxidation (PA)	%	63	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. 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)	%	59	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.7	---	---	---
Silicon	ppm	■ 10	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 4	---	---	---



WEAR METALS

Iron	ppm	■ 21	---	---	---
Copper	ppm	■ 9	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 8	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 63	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 3	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 1352	---	---	---
Magnesium	ppm	834	---	---	---
Zinc	ppm	■ 1245	---	---	---
Phosphorus	ppm	■ 1041	---	---	---
Barium	ppm	■ 12	---	---	---
Boron	ppm	■ 12	---	---	---

Depot: VOLVO0090
Unique No: 10849247
Signed: Jonathan Hester
Report Date: 31 Jan 2024



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GRAPHS

