



CONSTRUCTION EQUIPMENT

VOLVO ECR88D 216782 - DIESEL ENGINE



Sample No: VCP433577
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP433577	---	---	---
Sample Date	21 Sep 2023	---	---	---
Machine Hours	3081	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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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	█ 14.0	---	---	---
Base Number (BN)	mg KOH/g	█ 7.0	---	---	---
Oxidation (PA)	%	81	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Soot %	%	█ 0.6	---	---	---
Nitration (PA)	%	91	---	---	---
Sulfation (PA)	%	66	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ <1	---	---	---



WEAR METALS

Iron	ppm	█ 20	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 80	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1444	---	---	---
Magnesium	ppm	█ 990	---	---	---
Zinc	ppm	█ 1539	---	---	---
Phosphorus	ppm	█ 1218	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 65	---	---	---

Depot: VOLVO0090
Unique No: 10659764
Signed: Don Baldrige
Report Date: 24 Sep 2023



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GRAPHS

