



CONSTRUCTION EQUIPMENT

700695 RENTAL VOLVO ECR355 314784 - DIESEL ENGINE



Sample No: VCP443786
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 700695 RENTAL



SAMPLE INFORMATION

Sample Number	VCP443786	---	---	---
Sample Date	03 Apr 2024	---	---	---
Machine Hours	966	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	---	---	---
Base Number (BN)	mg KOH/g	█ 5.9	---	---	---
Oxidation (PA)	%	55	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Valve wear is indicated. All other 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

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	68	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 16	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 22	---	---	---



WEAR METALS

Iron	ppm	█ 23	---	---	---
Copper	ppm	█ 19	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ 4	---	---	---
Aluminum	ppm	█ 7	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 22	---	---	---
Nickel	ppm	▲ 9	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	█ 1	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1995	---	---	---
Magnesium	ppm	█ 295	---	---	---
Zinc	ppm	█ 1146	---	---	---
Phosphorus	ppm	█ 1048	---	---	---
Barium	ppm	█ 9	---	---	---
Boron	ppm	█ 4	---	---	---

Depot: VOLVO0093
Unique No: 10982791
Signed: Don Baldrige
Report Date: 22 Apr 2024



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GRAPHS

