



CONSTRUCTION EQUIPMENT

SW1034679 TRI ENVIRO VOLVO ECR235E 315909 - DIESEL ENGINE



Sample No: VCP440855
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SW1034679 TRI ENVIRO



SAMPLE INFORMATION

Sample Number	VCP440855	VCP437339	---	---
Sample Date	20 May 2024	05 Jan 2024	---	---
Machine Hours	1074	532	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	█ 13.2	---	---
Base Number (BN)	mg KOH/g	█ 9.6	█ 6.0	---	---
Oxidation (PA)	%	69	45	---	---

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

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	52	55	---	---
Sulfation (PA)	%	56	50	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 7	█ 17	---	---
Sodium	ppm	█ 2	█ 3	---	---
Potassium	ppm	█ <1	█ 2	---	---



WEAR METALS

Iron	ppm	█ 5	█ 14	---	---
Copper	ppm	█ 1	█ 7	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ <1	█ 2	---	---
Aluminum	ppm	█ 3	█ 2	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 44	█ 2	---	---
Nickel	ppm	█ 2	█ 9	---	---
Titanium	ppm	█ 0	█ <1	---	---
Silver	ppm	█ <1	█ 0	---	---
Manganese	ppm	█ <1	█ 4	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	█ 1554	█ 2158	---	---
Magnesium	ppm	█ 693	█ 70	---	---
Zinc	ppm	█ 1229	█ 1108	---	---
Phosphorus	ppm	█ 987	█ 976	---	---
Barium	ppm	█ 0	█ 1	---	---
Boron	ppm	█ 34	█ 2	---	---

Depot: VOLVO6174
Unique No: 11046903
Signed: Wes Davis
Report Date: 28 May 2024



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GRAPHS

