



CONSTRUCTION EQUIPMENT

TICKER PAVING VOLVO ECR58D 210864 - DIESEL ENGINE



Sample No: VCP435826
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: TICKER PAVING



SAMPLE INFORMATION

Sample Number	VCP435826	VCP411552	VCP364318	---
Sample Date	13 Feb 2024	14 Jul 2023	11 Aug 2022	---
Machine Hours	2050	1534	670	---
Oil Hours	0	1000	500	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	12.8	13.1	12.7	---
Base Number (BN)	mg KOH/g	9.2	8.3	6.7	---
Oxidation (PA)	%	86	84	57	---

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	NEG	---
Soot %	%	0.1	0.1	0.1	---
Nitration (PA)	%	78	83	78	---
Sulfation (PA)	%	60	61	61	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	6	5	9	---
Sodium	ppm	3	4	5	---
Potassium	ppm	0	2	2	---



WEAR METALS

Iron	ppm	7	10	19	---
Copper	ppm	1	6	58	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	2	3	4	---
Chromium	ppm	0	<1	2	---
Molybdenum	ppm	50	48	17	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	1	3	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1930	1820	2381	---
Magnesium	ppm	562	536	188	---
Zinc	ppm	1244	1237	1151	---
Phosphorus	ppm	1031	996	918	---
Barium	ppm	0	0	2	---
Boron	ppm	34	18	4	---

Depot: VOLVO0093
Unique No: 10995437
Signed: Wes Davis
Report Date: 25 Apr 2024



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GRAPHS

