



CONSTRUCTION EQUIPMENT

568333 TUCKER PAVING VOLVO ECR58D 2 10864 - DIESEL ENGINE



Sample No: VCP411552
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 568333 TUCKER PAVING



SAMPLE INFORMATION

Sample Number	VCP411552	VCP364318	---	---
Sample Date	14 Jul 2023	11 Aug 2022	---	---
Machine Hours	1534	670	---	---
Oil Hours	1000	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: JOHN FARDELLA
 JFARDELLA@ALTAEQUIPFL.COM
 T: (813)630-0077
 F: (813)630-2233



OIL CONDITION

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



CONTAMINATION

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

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.



WEAR METALS

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



ADDITIVES

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

Depot: VOLVO0093
Unique No: 10601871
Signed: Wes Davis
Report Date: 11 Aug 2023



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GRAPHS

