



CONSTRUCTION EQUIPMENT

700392 ALTA RENTS VOLVO A25G 752731 - DIESEL ENGINE



Sample No: VCP455079
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 700392 ALTA RENTS



SAMPLE INFORMATION

Sample Number	VCP455079	VCP440381	---	---
Sample Date	02 Apr 2024	13 Oct 2023	---	---
Machine Hours	1259	627	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.2	● 10.9	---	---
Base Number (BN)	mg KOH/g	█ 7.3	█ 5.6	---	---
Oxidation (PA)	%	85	62	---	---

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 %	%	█ 0.4	█ 0.4	---	---
Nitration (PA)	%	79	83	---	---
Sulfation (PA)	%	64	55	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	█ 0.9	---	---
Silicon	ppm	█ 9	█ 38	---	---
Sodium	ppm	█ 2	█ 3	---	---
Potassium	ppm	█ <1	█ 1	---	---



WEAR METALS

Iron	ppm	█ 18	█ 28	---	---
Copper	ppm	█ 54	▲ 213	---	---
Lead	ppm	█ <1	█ 2	---	---
Tin	ppm	█ <1	█ 3	---	---
Aluminum	ppm	█ 2	█ 2	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 46	█ 82	---	---
Nickel	ppm	█ 15	█ 6	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	█ <1	█ <1	---	---
Manganese	ppm	█ 2	█ 5	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	█ 1844	█ 2102	---	---
Magnesium	ppm	█ 436	74	---	---
Zinc	ppm	█ 1142	█ 1199	---	---
Phosphorus	ppm	█ 930	█ 991	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 15	█ 17	---	---

Depot: VOLVO0096
Unique No: 10968744
Signed: Jonathan Hester
Report Date: 11 Apr 2024



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GRAPHS

