



CONSTRUCTION EQUIPMENT

527030 RENTAL VOLVO A25G 752592 - DIESEL ENGINE



Sample No: VCP435622
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 527030 RENTAL



SAMPLE INFORMATION

Sample Number	VCP435622	VCP441525	VCP432050	---
Sample Date	04 Apr 2024	07 Feb 2024	27 Sep 2023	---
Machine Hours	1758	1492	1045	---
Oil Hours	0	500	0	---
Oil Changed	N/A	Changed	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	12.7	12.6	12.3	---
Base Number (BN)	mg KOH/g	10.7	9.9	9.1	---
Oxidation (PA)	%	78	76	78	---

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	0.2	0.3	---
Nitration (PA)	%	48	55	63	---
Sulfation (PA)	%	60	60	62	---
Glycol	%	NEG	NEG	0.0	---
Fuel	%	<1.0	<1.0	0.3	---
Silicon	ppm	5	4	10	---
Sodium	ppm	0	2	3	---
Potassium	ppm	1	0	3	---



WEAR METALS

Iron	ppm	6	8	12	---
Copper	ppm	4	15	129	---
Lead	ppm	<1	<1	1	---
Tin	ppm	1	1	1	---
Aluminum	ppm	2	<1	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	43	43	52	---
Nickel	ppm	3	11	2	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	<1	0	<1	---
Manganese	ppm	1	<1	2	---
Vanadium	ppm	<1	<1	<1	---



ADDITIVES

Calcium	ppm	1732	1671	1903	---
Magnesium	ppm	520	532	532	---
Zinc	ppm	1140	1156	1286	---
Phosphorus	ppm	970	974	1038	---
Barium	ppm	0	0	0	---
Boron	ppm	80	48	31	---

Depot: VOLVO0093
Unique No: 10968886
Signed: Wes Davis
Report Date: 11 Apr 2024



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GRAPHS

