



CONSTRUCTION EQUIPMENT

544259 RENTALS VOLVO A30 753398 - DIESEL ENGINE



Sample No: VCP451099
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 544259 RENTALS



SAMPLE INFORMATION

Sample Number	VCP451099	VCP449612	---	---
Sample Date	24 Apr 2024	19 Apr 2024	---	---
Machine Hours	1166	1160	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 14.6	█ 12.6	---	---
Base Number (BN)	mg KOH/g	█ 9.6	█ 8.9	---	---
Oxidation (PA)	%	55	75	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.2	---	---
Nitration (PA)	%	40	61	---	---
Sulfation (PA)	%	50	62	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 7	---	---
Sodium	ppm	█ 19	▲ 129	---	---
Potassium	ppm	█ 4	▲ 33	---	---

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 acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 2	█ 10	---	---
Copper	ppm	█ 5	▲ 33	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ <1	█ <1	---	---
Chromium	ppm	█ 0	█ 0	---	---
Molybdenum	ppm	█ 56	█ 46	---	---
Nickel	ppm	█ 0	█ 8	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 0	█ 0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 1175	█ 1822	---	---
Magnesium	ppm	█ 941	█ 518	---	---
Zinc	ppm	█ 1297	█ 1285	---	---
Phosphorus	ppm	█ 1071	█ 1075	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 6	█ 21	---	---

Depot: VOLVO0090
Unique No: 11006055
Signed: Don Baldrige
Report Date: 03 May 2024



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GRAPHS

