



CONSTRUCTION EQUIPMENT

SW-34352-2 DYNAMIC VOLVO L70H 632871 - DIESEL ENGINE



Sample No: VCP369669
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SW-34352-2 DYNAMIC



SAMPLE INFORMATION

Sample Number	VCP369669	---	---	---
Sample Date	16 May 2024	---	---	---
Machine Hours	3132	---	---	---
Oil Hours	1117	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.7	---	---	---
Base Number (BN)	mg KOH/g	█ 8.2	---	---	---
Oxidation (PA)	%	70	---	---	---

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	---	---	---
Soot %	%	█ 0.6	---	---	---
Nitration (PA)	%	81	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 36	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 9	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 67	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1193	---	---	---
Magnesium	ppm	█ 1021	---	---	---
Zinc	ppm	█ 1334	---	---	---
Phosphorus	ppm	█ 1040	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 2	---	---	---

Depot: VOLVO8770
Unique No: 11045505
Signed: Sean Felton
Report Date: 28 May 2024



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GRAPHS

