



CONSTRUCTION EQUIPMENT

SW1026357 VOLVO L90H 62554 - DIESEL ENGINE



Sample No: VCP441011
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SW1026357



SAMPLE INFORMATION

Sample Number	VCP441011	VCP369173	---	---
Sample Date	14 Nov 2023	23 Mar 2023	---	---
Machine Hours	7073	6617	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.7	█ 12.8	---	---
Base Number (BN)	mg KOH/g	█ 8.4	█ 9.6	---	---
Oxidation (PA)	%	69	55	---	---

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.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.4	█ 0.2	---	---
Nitration (PA)	%	73	48	---	---
Sulfation (PA)	%	57	52	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 5	█ 4	---	---
Sodium	ppm	█ 2	█ <1	---	---
Potassium	ppm	█ 3	█ 0	---	---



WEAR METALS

Iron	ppm	█ 8	█ 2	---	---
Copper	ppm	█ 2	█ <1	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 4	█ <1	---	---
Chromium	ppm	█ 1	█ <1	---	---
Molybdenum	ppm	█ 59	█ 61	---	---
Nickel	ppm	█ 1	█ 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	█ <1	█ 0	---	---
Manganese	ppm	█ 1	█ <1	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	█ 1115	█ 1108	---	---
Magnesium	ppm	█ 882	█ 873	---	---
Zinc	ppm	█ 1248	█ 1123	---	---
Phosphorus	ppm	█ 960	█ 921	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 8	█ 15	---	---

Depot: VOLVO6174
Unique No: 10754005
Signed: Angela Borella
Report Date: 28 Nov 2023



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GRAPHS

