



CONSTRUCTION EQUIPMENT

SWA529317 ATLANTIC VOLVO L90H 627083 - DIESEL ENGINE



Sample No: VCP438872
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SWA529317 ATLANTIC



SAMPLE INFORMATION

Sample Number	VCP438872	VCP431610	---	---
Sample Date	10 Apr 2024	12 Dec 2023	---	---
Machine Hours	1032	458	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

ALTA EQUIPMENT COMPANY

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OIL CONDITION

Visc @ 100°C	cSt	13.3	12.6	---	---
Base Number (BN)	mg KOH/g	9.6	9.6	---	---
Oxidation (PA)	%	59	73	---	---

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 %	%	0.2	0.2	---	---
Nitration (PA)	%	56	50	---	---
Sulfation (PA)	%	52	58	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	8	22	---	---
Sodium	ppm	<1	1	---	---
Potassium	ppm	2	4	---	---



WEAR METALS

Iron	ppm	11	25	---	---
Copper	ppm	2	9	---	---
Lead	ppm	<1	1	---	---
Tin	ppm	2	2	---	---
Aluminum	ppm	5	9	---	---
Chromium	ppm	2	2	---	---
Molybdenum	ppm	63	38	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	5	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	1259	1555	---	---
Magnesium	ppm	1004	557	---	---
Zinc	ppm	1338	1106	---	---
Phosphorus	ppm	1141	923	---	---
Barium	ppm	0	16	---	---
Boron	ppm	5	53	---	---

Depot: VOLVO0095
Unique No: 10978433
Signed: Sean Felton
Report Date: 17 Apr 2024



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GRAPHS

