



CONSTRUCTION EQUIPMENT

560376 LKQ VOLVO L90H 626621 - DIESEL ENGINE



Sample No: VCP452799
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 560376 LKQ



SAMPLE INFORMATION

Sample Number	VCP452799	---	---	---
Sample Date	14 May 2024	---	---	---
Machine Hours	2089	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT COMPANY
 5210 REESE ROAD
 DAVIE, FL
 US 33314
 Contact: N. FACEY
 nfacey@altaequipfl.com
 T: (954)581-4744
 F: (954)583-0318



OIL CONDITION

Visc @ 100°C	cSt	█ 14.0	---	---	---
Base Number (BN)	mg KOH/g	█ 7.2	---	---	---
Oxidation (PA)	%	79	---	---	---

Diagnosis

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The aluminum level is abnormal. All other 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 %	%	█ 0.5	---	---	---
Nitration (PA)	%	82	---	---	---
Sulfation (PA)	%	62	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 16	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	█ 68	---	---	---
Copper	ppm	█ 17	---	---	---
Lead	ppm	█ 4	---	---	---
Tin	ppm	█ 5	---	---	---
Aluminum	ppm	▲ 16	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ 45	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1750	---	---	---
Magnesium	ppm	█ 556	---	---	---
Zinc	ppm	█ 1088	---	---	---
Phosphorus	ppm	█ 879	---	---	---
Barium	ppm	█ 1	---	---	---
Boron	ppm	█ 21	---	---	---

Depot: VOLVO0095
Unique No: 11035273
Signed: Sean Felton
Report Date: 21 May 2024



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GRAPHS

