



CONSTRUCTION EQUIPMENT

GROOT VOLVO L150H 6799 - DIESEL ENGINE



Sample No: VCP433213
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: GROOT



SAMPLE INFORMATION

Sample Number	VCP433213	---	---	---
Sample Date	02 Nov 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT
 2500 WESTWARD DR
 SPRING GROVE, IL
 US 60081
 Contact: JOHN DODGE
 john.dodge@altg.com
 T:
 F:

OIL CONDITION

Visc @ 100°C	cSt	▲ 6.7	---	---	---
Base Number (BN)	mg KOH/g	▲ 3.0	---	---	---
Oxidation (PA)	%	39	---	---	---

Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. The BN level is low. Confirm oil type.

CONTAMINATION

Soot %	%	■ 0	---	---	---
Nitration (PA)	%	27	---	---	---
Sulfation (PA)	%	49	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 1.6	---	---	---
Silicon	ppm	■ 2	---	---	---
Sodium	ppm	■ 6	---	---	---
Potassium	ppm	■ 0	---	---	---

WEAR METALS

Iron	ppm	■ 7	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 4	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	▲ 94	---	---	---
Magnesium	ppm	▲ 8	---	---	---
Zinc	ppm	▲ 537	---	---	---
Phosphorus	ppm	▲ 450	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: ALTSPR
Unique No: 10726085
Signed: Jonathan Hester
Report Date: 08 Nov 2023



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GRAPHS

