



CONSTRUCTION EQUIPMENT

660415 VOLVO A30G 752984 - DIESEL ENGINE



Sample No: VCP437636
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 660415



SAMPLE INFORMATION

Sample Number	VCP437636	VCP415616	---	---
Sample Date	18 Jan 2024	24 Aug 2023	---	---
Machine Hours	1183	342	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ATTENTION	ABNORMAL	---	---

WLW CONSTRUCTION
 PO BOX 377
 MT DORA, FL
 US 32756-0377
 Contact: ELAINE STULTZ
 elaine@wlwconstruction.com
 T: (352)383-7305
 F:

OIL CONDITION

Visc @ 100°C	cSt	▲ 12.4	▲ 10.7	---	---
Base Number (BN)	mg KOH/g	■ 7.4	■ 6.2	---	---
Oxidation (PA)	%	85	56	---	---

Diagnosis
 Oil and filter change at the time of sampling has been noted. 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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	■ 0.4	■ 0.2	---	---
Nitration (PA)	%	82	75	---	---
Sulfation (PA)	%	63	51	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	■ 0.3	---	---
Silicon	ppm	■ 9	■ 37	---	---
Sodium	ppm	■ 0	■ 4	---	---
Potassium	ppm	■ 2	■ 6	---	---

WEAR METALS

Iron	ppm	■ 17	■ 22	---	---
Copper	ppm	■ 184	▲ 348	---	---
Lead	ppm	■ 1	■ 6	---	---
Tin	ppm	■ 2	■ 3	---	---
Aluminum	ppm	■ 2	■ 3	---	---
Chromium	ppm	■ <1	■ <1	---	---
Molybdenum	ppm	■ 48	■ 88	---	---
Nickel	ppm	■ 3	■ 2	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	■ <1	■ 1	---	---
Manganese	ppm	■ 3	■ 6	---	---
Vanadium	ppm	<1	<1	---	---

ADDITIVES

Calcium	ppm	■ 1702	■ 2225	---	---
Magnesium	ppm	■ 483	23	---	---
Zinc	ppm	■ 1134	■ 1262	---	---
Phosphorus	ppm	■ 913	■ 1061	---	---
Barium	ppm	■ 1	■ 0	---	---
Boron	ppm	■ 19	■ 39	---	---

Depot: WLWMOU
Unique No: 10844819
Signed: Sean Felton
Report Date: 25 Jan 2024



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GRAPHS

