



CONSTRUCTION EQUIPMENT

578854 VOLVO A30 753223 - DIESEL ENGINE



Sample No: VCP411694
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 578854



SAMPLE INFORMATION

Sample Number	VCP411694	---	---	---
Sample Date	03 Jul 2023	---	---	---
Machine Hours	274	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

BLUE GOOSE GROWERS
 16059 W ORANGE AVE
 FT PIERCE, FL
 US 34945
 Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 100°C	cSt	▲ 10.9	---	---	---
Base Number (BN)	mg KOH/g	■ 7.4	---	---	---
Oxidation (PA)	%	■ 56	---	---	---

T: (772)461-3020
 F:

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. Fuel content negligible. Elemental level of silicon (Si) above normal indicating ingress of seal material. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



CONTAMINATION

Soot %	%	■ 0.3	---	---	---
Nitration (PA)	%	■ 74	---	---	---
Sulfation (PA)	%	■ 53	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	■ 0.6	---	---	---
Silicon	ppm	▲ 78	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 5	---	---	---



WEAR METALS

Iron	ppm	■ 16	---	---	---
Copper	ppm	▲ 125	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 83	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ <1	---	---	---
Manganese	ppm	■ 4	---	---	---
Vanadium	ppm	■ 0	---	---	---



ADDITIVES

Calcium	ppm	■ 2218	---	---	---
Magnesium	ppm	■ 21	---	---	---
Zinc	ppm	■ 1152	---	---	---
Phosphorus	ppm	■ 986	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 54	---	---	---

Depot: BLUFOR
Unique No: 10547687
Signed: Jonathan Hester
Report Date: 11 Jul 2023



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GRAPHS

