



CONSTRUCTION EQUIPMENT

620662 VOLVO A30 753369 - DIESEL ENGINE



Sample No: VCP432912
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 620662



SAMPLE INFORMATION

Sample Number	VCP432912	VCP412769	VCP411686	---
Sample Date	23 Oct 2023	07 Aug 2023	03 Jul 2023	---
Machine Hours	1052	509	255	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ATTENTION	ATTENTION	ABNORMAL	---

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

OIL CONDITION

Visc @ 100°C	cSt	▲ 12.4	▲ 12.1	▲ 11.2	---
Base Number (BN)	mg KOH/g	■ 9.4	■ 10.0	■ 7.4	---
Oxidation (PA)	%	76	77	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. 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

Soot %	%	■ 0.3	■ 0.2	■ 0.2	---
Nitration (PA)	%	62	54	73	---
Sulfation (PA)	%	60	60	52	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	■ 0.5	---
Silicon	ppm	■ 6	■ 13	▲ 74	---
Sodium	ppm	■ 2	■ <1	■ 4	---
Potassium	ppm	■ 2	■ <1	■ 2	---

WEAR METALS

Iron	ppm	■ 12	■ 10	■ 22	---
Copper	ppm	■ 4	■ 14	▲ 70	---
Lead	ppm	■ 0	■ <1	■ <1	---
Tin	ppm	■ <1	■ <1	■ 2	---
Aluminum	ppm	■ 2	■ <1	■ <1	---
Chromium	ppm	■ <1	■ 0	■ <1	---
Molybdenum	ppm	■ 47	■ 45	■ 84	---
Nickel	ppm	■ <1	■ 0	■ <1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	■ 0	■ 0	■ <1	---
Manganese	ppm	■ <1	■ 1	■ 5	---
Vanadium	ppm	<1	0	0	---

ADDITIVES

Calcium	ppm	■ 1451	■ 1807	■ 2187	---
Magnesium	ppm	■ 630	■ 437	26	---
Zinc	ppm	■ 1153	■ 1144	■ 1151	---
Phosphorus	ppm	■ 974	■ 912	■ 983	---
Barium	ppm	■ 0	■ 0	■ 0	---
Boron	ppm	■ 19	■ 46	■ 57	---

Depot: BLUFOR
Unique No: 10712820
Signed: Sean Felton
Report Date: 30 Oct 2023



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GRAPHS

