



CONSTRUCTION EQUIPMENT

688083 VOLVO A30G 753001 - DIESEL ENGINE



Sample No: VCP438361
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 688083



SAMPLE INFORMATION

Sample Number	VCP438361	VCP445910	VCP432372	VCP415604
Sample Date	14 Mar 2024	14 Feb 2024	12 Dec 2023	29 Sep 2023
Machine Hours	2474	2293	1980	1501
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

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

OIL CONDITION

Visc @ 100°C	cSt	■ 12.8	■ 12.5	■ 12.7	● 12.3
Base Number (BN)	mg KOH/g	■ 10.4	■ 10.3	■ 8.4	■ 9.9
Oxidation (PA)	%	79	77	76	80

T: (772)461-3020
 F:

Diagnosis

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 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	NEG	NEG	NEG
Soot %	%	■ 0.1	■ 0.2	■ 0.2	■ 0.3
Nitration (PA)	%	47	53	57	58
Sulfation (PA)	%	60	60	60	62
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	■ 2	■ 3	■ 4	■ 5
Sodium	ppm	■ <1	■ <1	■ 0	■ 1
Potassium	ppm	■ 0	■ 2	■ 2	■ 0

WEAR METALS

Iron	ppm	■ 2	■ 6	■ 13	■ 6
Copper	ppm	■ 0	■ 2	■ 7	■ 9
Lead	ppm	■ 0	■ 0	■ <1	■ 0
Tin	ppm	■ 0	■ 0	■ <1	■ <1
Aluminum	ppm	■ 0	■ 2	■ 2	■ <1
Chromium	ppm	■ 0	■ <1	■ <1	■ <1
Molybdenum	ppm	■ 38	■ 44	■ 47	■ 40
Nickel	ppm	■ 0	■ <1	■ 1	■ 0
Titanium	ppm	0	<1	<1	0
Silver	ppm	■ 0	■ 0	■ 0	■ <1
Manganese	ppm	■ 0	■ 0	■ <1	■ <1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	■ 1703	■ 1581	■ 1675	■ 1767
Magnesium	ppm	■ 532	■ 530	■ 432	■ 516
Zinc	ppm	■ 1108	■ 1114	■ 1097	■ 1184
Phosphorus	ppm	■ 970	■ 997	■ 917	■ 975
Barium	ppm	■ 0	■ 10	■ 12	■ 0
Boron	ppm	■ 54	■ 46	■ 48	■ 32

Depot: BLUFOR
Unique No: 10936198
Signed: Wes Davis
Report Date: 19 Mar 2024



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VOLVO GRAPHS

