



CONSTRUCTION EQUIPMENT

674384 VOLVO A30G 753001 - DIESEL ENGINE



Sample No: VCP445910
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 674384



SAMPLE INFORMATION

Sample Number	VCP445910	VCP432372	VCP415604	VCP415545
Sample Date	14 Feb 2024	12 Dec 2023	29 Sep 2023	18 Jul 2023
Machine Hours	2293	1980	1501	999
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ATTENTION	ABNORMAL

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

OIL CONDITION

Visc @ 100°C	cSt	█ 12.5	█ 12.7	▲ 12.3	▲ 12.3
Base Number (BN)	mg KOH/g	█ 10.3	█ 8.4	█ 9.9	█ 9.3
Oxidation (PA)	%	77	76	80	78

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 %	%	█ 0.2	█ 0.2	█ 0.3	█ 0.3
Nitration (PA)	%	53	57	58	63
Sulfation (PA)	%	60	60	62	61
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	█ 3	█ 4	█ 5	█ 16
Sodium	ppm	█ <1	█ 0	█ 1	█ 3
Potassium	ppm	█ 2	█ 2	█ 0	█ 0

WEAR METALS

Iron	ppm	█ 6	█ 13	█ 6	█ 8
Copper	ppm	█ 2	█ 7	█ 9	▲ 59
Lead	ppm	█ 0	█ <1	█ 0	█ 0
Tin	ppm	█ 0	█ <1	█ <1	█ <1
Aluminum	ppm	█ 2	█ 2	█ <1	█ <1
Chromium	ppm	█ <1	█ <1	█ <1	█ <1
Molybdenum	ppm	█ 44	█ 47	█ 40	█ 49
Nickel	ppm	█ <1	█ 1	█ 0	█ 0
Titanium	ppm	<1	<1	0	<1
Silver	ppm	█ 0	█ 0	█ <1	█ <1
Manganese	ppm	█ 0	█ <1	█ <1	█ 1
Vanadium	ppm	0	0	0	<1

ADDITIVES

Calcium	ppm	█ 1581	█ 1675	█ 1767	█ 1876
Magnesium	ppm	█ 530	█ 432	█ 516	█ 475
Zinc	ppm	█ 1114	█ 1097	█ 1184	█ 1145
Phosphorus	ppm	█ 997	█ 917	█ 975	█ 961
Barium	ppm	█ 10	█ 12	█ 0	█ 0
Boron	ppm	█ 46	█ 48	█ 32	█ 33

Depot: BLUFOR
Unique No: 10885604
Signed: Wes Davis
Report Date: 20 Feb 2024



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GRAPHS

