



CONSTRUCTION EQUIPMENT

9042 VOLVO A30G 753002 - DIESEL ENGINE



Sample No: VCP432900
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 9042



SAMPLE INFORMATION

Sample Number	VCP432900	VCP412074	VCP425082	VCP398666
Sample Date	04 Jan 2024	29 Sep 2023	17 Jul 2023	05 May 2023
Machine Hours	1810	1304	885	381
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL

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

OIL CONDITION

Visc @ 100°C	cSt	12.6	12.5	12.3	11.07
Base Number (BN)	mg KOH/g	9.4	9.9	9.1	7.1
Oxidation (PA)	%	77	79	76	57

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 %	%	0.3	0.2	0.3	0.2
Nitration (PA)	%	62	58	66	83
Sulfation (PA)	%	60	61	61	51
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	0.5
Silicon	ppm	5	4	12	63
Sodium	ppm	0	1	3	4
Potassium	ppm	1	0	0	4

WEAR METALS

Iron	ppm	7	4	9	18
Copper	ppm	4	14	106	350
Lead	ppm	<1	0	<1	2
Tin	ppm	1	<1	<1	3
Aluminum	ppm	2	<1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	46	43	55	85
Nickel	ppm	1	<1	<1	2
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	<1	<1	2
Manganese	ppm	1	<1	1	4
Vanadium	ppm	0	0	<1	<1

ADDITIVES

Calcium	ppm	1701	1804	1952	2182
Magnesium	ppm	440	481	444	18
Zinc	ppm	1127	1201	1178	1198
Phosphorus	ppm	864	1002	998	1006
Barium	ppm	0	0	0	0
Boron	ppm	40	36	33	37

Depot: BLUFOR
Unique No: 10821088
Signed: Wes Davis
Report Date: 10 Jan 2024



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GRAPHS

