



CONSTRUCTION EQUIPMENT

659041 VOLVO A30 753223 - DIESEL ENGINE



Sample No: VCP437687
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 659041



SAMPLE INFORMATION

Sample Number	VCP437687	VCP431291	VCP421868	VCP411694
Sample Date	04 Jan 2024	16 Oct 2023	07 Aug 2023	03 Jul 2023
Machine Hours	1548	1012	511	274
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	12.7	12.5	12.2	10.9
Base Number (BN)	mg KOH/g	9.6	9.1	10.0	7.4
Oxidation (PA)	%	79	71	78	56

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	0.4	0.2	0.3
Nitration (PA)	%	57	58	56	74
Sulfation (PA)	%	62	58	61	53
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	0.6
Silicon	ppm	5	5	12	78
Sodium	ppm	0	2	<1	4
Potassium	ppm	3	3	2	5

WEAR METALS

Iron	ppm	9	14	10	16
Copper	ppm	3	7	25	125
Lead	ppm	<1	0	<1	<1
Tin	ppm	1	<1	<1	2
Aluminum	ppm	2	2	<1	<1
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	40	48	47	83
Nickel	ppm	2	<1	<1	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	1	<1	<1	4
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1595	1500	1888	2218
Magnesium	ppm	502	624	473	21
Zinc	ppm	1091	1183	1195	1152
Phosphorus	ppm	857	1022	959	986
Barium	ppm	0	0	0	0
Boron	ppm	39	22	49	54

Depot: BLUFOR
Unique No: 10821090
Signed: Wes Davis
Report Date: 10 Jan 2024



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GRAPHS

