



CONSTRUCTION EQUIPMENT

646432 VOLVO A30G 753001 - DIESEL ENGINE



Sample No: VCP432372
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 646432



SAMPLE INFORMATION

Sample Number	VCP432372	VCP415604	VCP415545	VCP425690
Sample Date	12 Dec 2023	29 Sep 2023	18 Jul 2023	05 May 2023
Machine Hours	1980	1501	999	510
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	ATTENTION	ABNORMAL	ABNORMAL

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

OIL CONDITION

Visc @ 100°C	cSt	12.7	12.3	12.3	10.8
Base Number (BN)	mg KOH/g	8.4	9.9	9.3	5.7
Oxidation (PA)	%	76	80	78	59

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	0.3	0.3	0.3
Nitration (PA)	%	57	58	63	79
Sulfation (PA)	%	60	62	61	53
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	0.4
Silicon	ppm	4	5	16	86
Sodium	ppm	0	1	3	4
Potassium	ppm	2	0	0	4

WEAR METALS

Iron	ppm	13	6	8	21
Copper	ppm	7	9	59	315
Lead	ppm	<1	0	0	2
Tin	ppm	<1	<1	<1	3
Aluminum	ppm	2	<1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	47	40	49	86
Nickel	ppm	1	0	0	1
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	1675	1767	1876	2167
Magnesium	ppm	432	516	475	20
Zinc	ppm	1097	1184	1145	1207
Phosphorus	ppm	917	975	961	1001
Barium	ppm	12	0	0	0
Boron	ppm	48	32	33	31

Depot: BLUFOR
Unique No: 10790959
Signed: Wes Davis
Report Date: 16 Dec 2023



CONSTRUCTION EQUIPMENT



GRAPHS

