



CONSTRUCTION EQUIPMENT

VOLVO A30G 752265 - DIESEL ENGINE



Sample No: VCP432474
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP432474	VCP420924	VCP395975	VCP389809
Sample Date	19 Oct 2023	26 Jul 2023	31 Jan 2023	19 Oct 2022
Machine Hours	3942	2664	2925	2417
Oil Hours	0	0	500	500
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
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 US 33619
 Contact: PM Services
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 T:
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OIL CONDITION

Visc @ 100°C	cSt	12.6	12.4	12.5	12.9
Base Number (BN)	mg KOH/g	9.5	9.0	8.8	11.1
Oxidation (PA)	%	77	77	79	86

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

Soot %	%	0.4	0.3	0.4	0.4
Nitration (PA)	%	67	66	72	74
Sulfation (PA)	%	61	58	61	66
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	5	4	5
Sodium	ppm	3	3	3	1
Potassium	ppm	2	0	<1	2



WEAR METALS

Iron	ppm	10	11	13	11
Copper	ppm	2	4	2	10
Lead	ppm	0	0	<1	<1
Tin	ppm	<1	<1	1	1
Aluminum	ppm	4	<1	2	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	49	52	51	45
Nickel	ppm	2	2	2	3
Titanium	ppm	<1	<1	0	<1
Silver	ppm	0	0	0	3
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	1695	1861	1579	1668
Magnesium	ppm	509	579	593	543
Zinc	ppm	1212	1200	1129	1144
Phosphorus	ppm	994	1000	943	926
Barium	ppm	<1	0	0	0
Boron	ppm	16	33	19	24

Depot: RIPTAM
Unique No: 10723716
Signed: Wes Davis
Report Date: 02 Nov 2023



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GRAPHS

