



CONSTRUCTION EQUIPMENT

RIPA VOLVO A30G 752302 - DIESEL ENGINE



Sample No: VCP392935
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: RIPA



SAMPLE INFORMATION

Sample Number	VCP392935	VCP420263	VCP386076	VCP353524
Sample Date	25 Jul 2023	13 Apr 2023	03 Dec 2022	30 Aug 2022
Machine Hours	0	3244	2694	2193
Oil Hours	0	500	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: PM Services
 PMServices@ripaconstruction.com
 T:
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OIL CONDITION

Visc @ 100°C	cSt	12.3	12.4	12.7	13.0
Base Number (BN)	mg KOH/g	10.0	8.4	10.0	10.4
Oxidation (PA)	%	80	76	79	90

CONTAMINATION

Soot %	%	0.2	0.3	0.4	0.5
Nitration (PA)	%	57	63	68	83
Sulfation (PA)	%	60	56	60	66
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	0.4	<1.0	<1.0
Silicon	ppm	4	4	4	3
Sodium	ppm	2	3	3	7
Potassium	ppm	<1	0	0	1

WEAR METALS

Iron	ppm	5	9	10	11
Copper	ppm	<1	1	1	3
Lead	ppm	<1	0	<1	<1
Tin	ppm	<1	0	<1	1
Aluminum	ppm	3	3	2	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	41	52	42	33
Nickel	ppm	<1	0	<1	0
Titanium	ppm	0	<1	3	7
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1641	1648	1688	1597
Magnesium	ppm	521	576	530	462
Zinc	ppm	1164	1157	1136	1033
Phosphorus	ppm	947	951	924	850
Barium	ppm	0	0	0	0
Boron	ppm	40	33	30	20

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.

Depot: RIPTAM
Unique No: 10605805
Signed: Wes Davis
Report Date: 17 Aug 2023

VOLVO GRAPHS

