



CONSTRUCTION EQUIPMENT

9392 VOLVO A30G 740290 - DIESEL ENGINE



Sample No: VCP424580
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 9392



SAMPLE INFORMATION

Sample Number	VCP424580	VCP336034	VCP309097	VCP288150
Sample Date	02 Aug 2023	22 Sep 2021	03 May 2021	21 Oct 2020
Machine Hours	8505	6081	5486	4919
Oil Hours	0	500	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	ATTENTION	ATTENTION	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.7	12.3	12.2	12.7
Base Number (BN)	mg KOH/g	9.5	---	---	---
Oxidation (PA)	%	77	87	73	86

CONTAMINATION

Soot %	%	0.2	0.5	0.3	0.5
Nitration (PA)	%	51	77	77	79
Sulfation (PA)	%	59	66	60	65
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	1.2	<1.0
Silicon	ppm	5	4	7	5
Sodium	ppm	2	<1	3	<1
Potassium	ppm	0	0	15	<1

WEAR METALS

Iron	ppm	5	8	13	11
Copper	ppm	<1	3	2	1
Lead	ppm	0	<1	0	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	<1	2	4	2
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	46	54	166	40
Nickel	ppm	0	0	1	0
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	<1	0	1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	1711	1603	1495	1689
Magnesium	ppm	517	522	873	526
Zinc	ppm	1114	1079	1131	900
Phosphorus	ppm	915	885	1104	801
Barium	ppm	0	0	0	0
Boron	ppm	56	12	16	30

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: VOLVO0264
Unique No: 10615381
Signed: Wes Davis
Report Date: 22 Aug 2023



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GRAPHS

