



CONSTRUCTION EQUIPMENT

24284 VOLVO A30G 742 165 - DIESEL ENGINE



Sample No: VCP420536
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 24284



SAMPLE INFORMATION

Sample Number	VCP420536	VCP403136	VCP371877	VCP342790
Sample Date	27 Oct 2023	13 Mar 2023	24 Aug 2022	12 Jan 2022
Machine Hours	5150	4530	4260	3615
Oil Hours	1000	1000	0	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	ATTENTION	ATTENTION

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OIL CONDITION

Visc @ 100°C	cSt	12.6	12.6	12.1	10.0
Base Number (BN)	mg KOH/g	8.0	9.9	9.9	8.7
Oxidation (PA)	%	70	77	81	51

CONTAMINATION

Soot %	%	0.4	0.3	0.5	0.4
Nitration (PA)	%	58	56	79	76
Sulfation (PA)	%	58	61	63	55
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	2.1	3.8
Silicon	ppm	6	6	4	5
Sodium	ppm	3	3	0	0
Potassium	ppm	0	1	<1	<1

WEAR METALS

Iron	ppm	8	5	12	15
Copper	ppm	1	<1	2	2
Lead	ppm	0	0	<1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	2	1	3	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	56	42	45	43
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	1	<1	<1
Vanadium	ppm	<1	<1	0	0

ADDITIVES

Calcium	ppm	1567	1677	1597	1396
Magnesium	ppm	484	486	463	813
Zinc	ppm	1211	1090	1080	1011
Phosphorus	ppm	920	880	900	841
Barium	ppm	0	0	0	0
Boron	ppm	162	55	51	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: SANNOR
Unique No: 10726090
Signed: Wes Davis
Report Date: 06 Nov 2023



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VOLVO GRAPHS

