



CONSTRUCTION EQUIPMENT

G07521 VOLVO A30G 740081 - DIESEL ENGINE



Sample No: VCP435212
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: G07521



SAMPLE INFORMATION

Sample Number	VCP435212	VCP194834	VCP193914	VCP188999
Sample Date	02 Aug 2023	23 Jun 2017	03 May 2017	15 Mar 2017
Machine Hours	10546	2048	1766	1503
Oil Hours	0	250	250	250
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

OCEAN COUNTY LANDFILL
 PO BOX 207
 BELLFORD, NJ
 US 07718
 Contact: SERVICE MANAGER

OIL CONDITION

Visc @ 100°C	cSt	12.7	12.24	12.09	12.51
Base Number (BN)	mg KOH/g	7.9	---	---	---
Oxidation (PA)	%	41	68	60	40

T: (732)787-0226
 F: (732)495-6225

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 %	%	0.1	0	0.1	0
Nitration (PA)	%	48	50	50	42
Sulfation (PA)	%	44	58	53	42
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	2	4	4	9
Sodium	ppm	0	9	7	5
Potassium	ppm	2	1	0	<1

WEAR METALS

Iron	ppm	2	5	6	9
Copper	ppm	0	1	6	17
Lead	ppm	0	0	0	3
Tin	ppm	0	0	3	5
Aluminum	ppm	<1	1	1	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	21	47	43	48
Nickel	ppm	<1	0	0	<1
Titanium	ppm	4	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1578	1807	1554	1577
Magnesium	ppm	393	519	460	576
Zinc	ppm	1053	904	854	1002
Phosphorus	ppm	860	764	764	849
Barium	ppm	0	<1	0	0
Boron	ppm	16	46	39	42

Depot: OCEBED
Unique No: 10588457
Signed: Wes Davis
Report Date: 07 Aug 2023



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GRAPHS

