



CONSTRUCTION EQUIPMENT

703135 364142 VOLVO L90G 3781 - DIESEL ENGINE



Sample No: VCP451318
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 703135



SAMPLE INFORMATION

Sample Number	VCP451318	VCP431583	VCP425510	VCP364024
Sample Date	25 Apr 2024	08 Dec 2023	09 May 2023	11 Oct 2022
Machine Hours	11272	0	10350	9569
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

TRADEMARK METALS RECYCLING - DAYTONA-HOLLY HILL
 402 3RD ST
 HOLLY HILL, FL
 US 32117
 Contact: RYAN BOWDEN



OIL CONDITION

Visc @ 100°C	cSt	12.8	12.8	13.1	13.1
Base Number (BN)	mg KOH/g	9.9	9.8	10.4	11.8
Oxidation (PA)	%	79	83	79	88

T: (386)255-1453
 F: (386)254-2874

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

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.3	0.2	0.3
Nitration (PA)	%	54	64	55	64
Sulfation (PA)	%	58	60	60	65
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	7	5	6
Sodium	ppm	4	4	2	1
Potassium	ppm	0	2	<1	2



WEAR METALS

Iron	ppm	16	15	8	12
Copper	ppm	<1	1	<1	<1
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	14	6	6	9
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	42	44	45	45
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1748	1654	1650	1737
Magnesium	ppm	512	507	592	513
Zinc	ppm	1117	1107	1166	1129
Phosphorus	ppm	950	947	923	941
Barium	ppm	0	12	0	2
Boron	ppm	45	23	30	34

Depot: TRADAY
Unique No: 11006058
Signed: Wes Davis
Report Date: 02 May 2024



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GRAPHS

