



CONSTRUCTION EQUIPMENT

384845 VOLVO L60H 622532 - DIESEL ENGINE



Sample No: VCP433332
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 384845



SAMPLE INFORMATION

Sample Number	VCP433332	VCP395734	VCP364568	VCP362305
Sample Date	11 Oct 2023	31 Jan 2023	30 Aug 2022	31 Mar 2022
Machine Hours	9385	7204	5793	3969
Oil Hours	2000	500	1600	3000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL

RECYCLE AMERICA
 12100 YOUNG PINE RD
 ORLANDO, FL
 US 32829
 Contact: SERVICE MANAGER

OIL CONDITION

Visc @ 100°C	cSt	13.3	13.5	14.3	14.5
Base Number (BN)	mg KOH/g	7.1	9.4	9.6	6.9
Oxidation (PA)	%	86	80	104	123

T:
F:

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 %	%	0.9	0.6	1.2	2
Nitration (PA)	%	88	77	107	123
Sulfation (PA)	%	63	60	73	86
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	16	13	▲ 21	▲ 32
Sodium	ppm	4	3	2	5
Potassium	ppm	0	<1	<1	2

WEAR METALS

Iron	ppm	24	17	39	▲ 125
Copper	ppm	2	2	4	11
Lead	ppm	<1	<1	1	4
Tin	ppm	<1	1	2	5
Aluminum	ppm	9	8	▲ 15	▲ 22
Chromium	ppm	2	1	3	7
Molybdenum	ppm	48	47	38	47
Nickel	ppm	<1	<1	0	1
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	<1	2
Vanadium	ppm	<1	0	<1	<1

ADDITIVES

Calcium	ppm	1742	1619	1692	2025
Magnesium	ppm	489	635	501	641
Zinc	ppm	1105	1179	1108	1444
Phosphorus	ppm	901	953	883	1074
Barium	ppm	0	0	0	0
Boron	ppm	15	14	11	11

Depot: RECORL
Unique No: 10696509
Signed: Wes Davis
Report Date: 16 Oct 2023



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GRAPHS

