



CONSTRUCTION EQUIPMENT

607773 STONE CO VOLVO L350H 1212 - DIESEL ENGINE



Sample No: VCP431341
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 607773 STONE CO



SAMPLE INFORMATION

Sample Number	VCP431341	VCP412705	VCP407925	VCP426598
Sample Date	28 Sep 2023	07 Aug 2023	08 Jun 2023	11 Apr 2023
Machine Hours	2441	1955	1474	987
Oil Hours	500	1000	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
 Contact: PAUL CONZ
 paul.conz@altg.com
 T: (313)348-8861
 F: (248)356-2029

OIL CONDITION

Visc @ 100°C	cSt	13.1	13.6	13.5	12.9
Base Number (BN)	mg KOH/g	7.3	7.5	6.9	6.7
Oxidation (PA)	%	67	68	78	70

CONTAMINATION

Soot %	%	0.6	0.6	0.6	0.5
Nitration (PA)	%	78	76	78	78
Sulfation (PA)	%	58	59	63	60
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	3	7
Sodium	ppm	<1	<1	2	1
Potassium	ppm	8	5	2	4

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.

WEAR METALS

Iron	ppm	11	12	13	17
Copper	ppm	3	4	16	▲ 104
Lead	ppm	<1	<1	0	0
Tin	ppm	1	<1	0	<1
Aluminum	ppm	1	1	10	2
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	58	68	66	72
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	1335	1173	1149	1297
Magnesium	ppm	920	1007	992	978
Zinc	ppm	1277	1280	1296	1357
Phosphorus	ppm	1020	999	1001	1046
Barium	ppm	0	0	0	0
Boron	ppm	1	15	9	35

Depot: VOLVO2990
Unique No: 10674114
Signed: Wes Davis
Report Date: 04 Oct 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

