



CONSTRUCTION EQUIPMENT

SWA345020 COASTAL WA VOLVO L120H 632608 - DIESEL ENGINE



Sample No: VCP415768
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SWA345020 COASTAL WA



SAMPLE INFORMATION

Sample Number	VCP415768	VCP399650	VCP382627	VCP382383
Sample Date	30 Aug 2023	27 Mar 2023	28 Jan 2023	16 Nov 2022
Machine Hours	9298	7956	7518	7001
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	ATTENTION

ALTA EQUIPMENT COMPANY
5210 REESE ROAD
DAVIE, FL
US 33314
Contact: N. FACEY
nfacey@altaequipfl.com
T: (954)581-4744
F: (954)583-0318

OIL CONDITION

Visc @ 100°C	cSt	13.7	13.3	14.4	12.3
Base Number (BN)	mg KOH/g	9.0	10.2	3.0	10.5
Oxidation (PA)	%	61	79	76	61

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 %	%	0.5	0.4	0.3	0.2
Nitration (PA)	%	65	61	51	63
Sulfation (PA)	%	55	62	53	57
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	0.2
Silicon	ppm	6	6	7	3
Sodium	ppm	3	2	2	1
Potassium	ppm	0	<1	<1	0

WEAR METALS

Iron	ppm	16	9	18	6
Copper	ppm	1	<1	<1	<1
Lead	ppm	<1	0	2	0
Tin	ppm	<1	<1	1	0
Aluminum	ppm	12	7	11	3
Chromium	ppm	<1	<1	1	<1
Molybdenum	ppm	70	43	64	63
Nickel	ppm	0	<1	<1	0
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1321	1485	1203	1107
Magnesium	ppm	1032	535	886	923
Zinc	ppm	1331	1100	1271	1164
Phosphorus	ppm	1120	905	1039	987
Barium	ppm	0	0	0	0
Boron	ppm	14	28	26	15

Depot: VOLVO0095
Unique No: 10648372
Signed: Wes Davis
Report Date: 18 Sep 2023



CONSTRUCTION EQUIPMENT



GRAPHS

