



CONSTRUCTION EQUIPMENT

633427 MOSAIC VOLVO L260H 1296 - DIESEL ENGINE



Sample No: VCP440765
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 633427 MOSAIC



SAMPLE INFORMATION

Sample Number	VCP440765	VCP414201	VCP420193	VCP409319
Sample Date	29 Nov 2023	22 Aug 2023	08 May 2023	16 Feb 2023
Machine Hours	3650	2943	2242	1549
Oil Hours	500	500	600	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: JOHN FARDELLA
 john.fardella@altg.com
 T: (813)630-0077
 F: (813)630-2233



OIL CONDITION

Visc @ 100°C	cSt	12.6	12.6	12.8	12.6
Base Number (BN)	mg KOH/g	9.4	9.1	8.9	9.1
Oxidation (PA)	%	82	85	83	80

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 %	%	0.1	0.2	0.1	0.1
Nitration (PA)	%	68	71	72	65
Sulfation (PA)	%	59	61	61	62
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	8	9	6
Sodium	ppm	2	2	2	2
Potassium	ppm	<1	<1	3	<1



WEAR METALS

Iron	ppm	10	9	8	7
Copper	ppm	2	2	3	15
Lead	ppm	<1	<1	1	<1
Tin	ppm	<1	1	2	<1
Aluminum	ppm	2	5	4	1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	40	43	48	42
Nickel	ppm	<1	0	1	2
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	2
Vanadium	ppm	<1	0	<1	<1



ADDITIVES

Calcium	ppm	1701	1718	1710	1527
Magnesium	ppm	479	516	521	465
Zinc	ppm	1092	1154	1221	1002
Phosphorus	ppm	940	940	983	830
Barium	ppm	0	0	0	0
Boron	ppm	28	22	35	42

Depot: VOLVO0093
Unique No: 10833689
Signed: Wes Davis
Report Date: 18 Jan 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

