



CONSTRUCTION EQUIPMENT

TUCKER PAVING VOLVO L110H 631173 - DIESEL ENGINE



Sample No: VCP422912
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: TUCKER PAVING



SAMPLE INFORMATION

Sample Number	VCP422912	VCP385330	VCP330279	VCP310957
Sample Date	28 Jun 2023	20 Sep 2022	03 Mar 2022	24 Jun 2021
Machine Hours	11986	7145	6576	6104
Oil Hours	500	500	1500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	SEVERE

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: KENNY HANEY
 khaney@flaglerce.com
 T: (813)630-0077
 F: (813)630-2233



OIL CONDITION

Visc @ 100°C	cSt	13.0	14.8	13.3	13.3
Base Number (BN)	mg KOH/g	10.2	10.8	11.6	---
Oxidation (PA)	%	83	86	87	88



CONTAMINATION

Water	%	---	---	---	0.117
Soot %	%	0.3	0.2	0.2	0.4
Nitration (PA)	%	71	87	69	78
Sulfation (PA)	%	61	72	64	68
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	11	4	53
Sodium	ppm	1	3	2	3
Potassium	ppm	0	3	0	2



WEAR METALS

Iron	ppm	9	39	7	82
Copper	ppm	<1	2	<1	8
Lead	ppm	0	4	<1	1
Tin	ppm	<1	1	<1	2
Aluminum	ppm	4	9	4	72
Chromium	ppm	<1	2	<1	10
Molybdenum	ppm	42	68	44	42
Nickel	ppm	0	1	0	1
Titanium	ppm	0	<1	0	2
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	1	<1	2
Vanadium	ppm	<1	1	0	<1



ADDITIVES

Calcium	ppm	1622	2036	1689	1674
Magnesium	ppm	476	522	507	508
Zinc	ppm	1070	1469	1035	1040
Phosphorus	ppm	884	1210	905	944
Barium	ppm	0	0	0	0
Boron	ppm	20	3	39	60

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.

Depot: VOLVO0093
Unique No: 10551676
Signed: Wes Davis
Report Date: 12 Jul 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

