



CONSTRUCTION EQUIPMENT

699871 WASTE CONN VOLVO L150H 7103 - DIESEL ENGINE



Sample No: VCP422398
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 699871 WASTE CONN



SAMPLE INFORMATION

Sample Number	VCP422398	VCP431585	VCP370743	VCP376908
Sample Date	01 Apr 2024	11 Dec 2023	28 Oct 2022	18 Aug 2022
Machine Hours	4802	3794	884	383
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 100°C	cSt	13.0	12.7	12.9	11.4
Base Number (BN)	mg KOH/g	10.5	10.1	12.1	7.8
Oxidation (PA)	%	80	78	85	63

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	0.1	0.1	0.1
Nitration (PA)	%	48	48	57	78
Sulfation (PA)	%	60	59	65	56
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	0.6
Silicon	ppm	6	6	7	26
Sodium	ppm	2	<1	2	0
Potassium	ppm	2	0	1	4



WEAR METALS

Iron	ppm	3	<1	4	9
Copper	ppm	1	<1	4	109
Lead	ppm	0	0	<1	2
Tin	ppm	<1	<1	<1	2
Aluminum	ppm	2	<1	<1	3
Chromium	ppm	<1	0	<1	0
Molybdenum	ppm	40	39	40	84
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	2
Vanadium	ppm	<1	0	0	0

Diagnosis



ADDITIVES

Calcium	ppm	1580	1599	1595	2093
Magnesium	ppm	502	503	488	66
Zinc	ppm	1070	1091	1060	1133
Phosphorus	ppm	900	869	886	977
Barium	ppm	0	0	0	0
Boron	ppm	58	60	44	52

Depot: VOLVO0096
Unique No: 10963051
Signed: Wes Davis
Report Date: 04 Apr 2024



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GRAPHS

