



CONSTRUCTION EQUIPMENT

SW1025100 VOLVO L150H 6568 (S/N 6865) - DIESEL ENGINE



Sample No: VCP395580

Oil Type: NOT GIVEN

Job No: SW1025100



SAMPLE INFORMATION

Sample Number	VCP395580	VCP401156	VCP404206	VCP398252
Sample Date	10 Oct 2023	10 May 2023	13 Mar 2023	11 Jan 2023
Machine Hours	11306	10053	9506	9015
Oil Hours	42	0	0	0
Oil Changed	Not Chngd	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



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OIL CONDITION

Visc @ 100°C	cSt	13.1	13.5	13.1	13.5
Base Number (BN)	mg KOH/g	6.8	7.4	7.4	8.7
Oxidation (PA)	%	37	50	54	57



CONTAMINATION

Soot %	%	0.1	0.2	0.2	0.2
Nitration (PA)	%	50	63	62	59
Sulfation (PA)	%	45	52	53	53
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	3	4	3
Sodium	ppm	1	1	2	0
Potassium	ppm	<1	<1	2	0



WEAR METALS

Iron	ppm	<1	3	2	<1
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	<1	0	0
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	1	2	2	<1
Chromium	ppm	0	<1	0	0
Molybdenum	ppm	14	43	51	60
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	<1	1	0
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	2026	1871	1539	1173
Magnesium	ppm	117	432	553	789
Zinc	ppm	1028	1219	1212	1157
Phosphorus	ppm	725	997	948	958
Barium	ppm	0	0	0	0
Boron	ppm	21	100	107	69

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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: VOLVO5856
Unique No: 10696636
Signed: Wes Davis
Report Date: 17 Oct 2023



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GRAPHS

