



CONSTRUCTION EQUIPMENT

SW1029343 SELLER VOLVO L150H 6865 - DIESEL ENGINE



Sample No: VCP442975
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SW1029343 SELLER



SAMPLE INFORMATION

Sample Number	VCP442975	VCP413317	VCP425627	VCP353747
Sample Date	26 Jan 2024	12 Oct 2023	12 May 2023	16 Dec 2022
Machine Hours	5520	4976	4457	3880
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ARNOLD MACHINERY COMPANY
4323 EAST WINSLOW AVENUE
PHOENIX, AZ
US 85040
Contact: RANDY PRZEKURAT
randyp@arnoldmachinery.com
T:
F: (602)414-1904



OIL CONDITION

Visc @ 100°C	cSt	12.5	12.8	13.3	13.5
Base Number (BN)	mg KOH/g	9.2	9.9	9.4	9.3
Oxidation (PA)	%	73	73	61	59



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.1	0.2
Nitration (PA)	%	58	56	56	59
Sulfation (PA)	%	57	58	53	51
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	6	6
Sodium	ppm	2	3	2	2
Potassium	ppm	<1	2	0	1



WEAR METALS

Iron	ppm	3	3	9	7
Copper	ppm	1	2	2	2
Lead	ppm	<1	<1	0	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	<1	2	3	2
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	43	50	60	59
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	1298	1453	1127	1061
Magnesium	ppm	621	688	986	893
Zinc	ppm	1107	1231	1262	1185
Phosphorus	ppm	937	1023	1033	987
Barium	ppm	0	0	0	1
Boron	ppm	21	26	2	3

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: VOLVO6174
Unique No: 10860025
Signed: Wes Davis
Report Date: 02 Feb 2024



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VOLVO GRAPHS

