



CONSTRUCTION EQUIPMENT

VOLVO L150H 6491 - TRANSMISSION (AUTO)



Sample No: VCP432366
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No:



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SAMPLE INFORMATION

Sample Number	VCP432366	VCP414712	VCP418283	VCP392710
Sample Date	14 Dec 2023	14 Sep 2023	14 Jun 2023	06 Mar 2023
Machine Hours	6212	5645	4891	4331
Oil Hours	0	1645	1000	2000
Oil Changed	N/A	Not Changd	Not Changd	Not Changd
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	▲ 27.5	■ 27.6	■ 30.8	■ 28.1
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	■ 5	■ 5	■ 4	■ 4
Sodium	ppm	■ 3	■ 2	■ 2	■ 2
Potassium	ppm	■ 1	■ <1	■ <1	■ 3



WEAR METALS

Iron	ppm	■ 139	■ 128	■ 102	■ 88
Copper	ppm	■ 7	■ 6	■ 4	■ 4
Lead	ppm	■ 0	■ 0	■ 0	■ 0
Tin	ppm	■ 0	■ 0	■ 0	■ 0
Aluminum	ppm	■ <1	■ 0	■ 1	■ <1
Chromium	ppm	■ 1	■ 1	■ <1	■ <1
Molybdenum	ppm	■ 0	■ <1	■ <1	■ <1
Nickel	ppm	■ <1	■ <1	■ <1	■ 0
Titanium	ppm	■ 0	■ 0	0	0
Silver	ppm	■ 0	■ 0	■ 0	■ 0
Manganese	ppm	■ 4	■ 4	■ 3	■ 3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	▲ 74	■ 76	■ 77	■ 84
Magnesium	ppm	▲ <1	■ 2	■ 0	■ 5
Zinc	ppm	▲ 0	■ 13	■ 0	■ 0
Phosphorus	ppm	▲ 185	■ 180	■ 187	■ 188
Barium	ppm	■ 0	■ 3	■ 0	■ 0
Boron	ppm	■ 69	■ 74	■ 73	■ 72

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The fluid viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Depot: VOLVO0093
Unique No: 10829907
Signed: Don Baldrige
Report Date: 14 Jan 2024

VOLVO **GRAPHS**

