



CONSTRUCTION EQUIPMENT

SPM580053 VOLVO L150H 6952 - REAR AXLE



Sample No: VCP420696
Oil Type: GEAR OIL SAE 80W90
Job No: SPM580053



SAMPLE INFORMATION

Sample Number	VCP420696	VCP423213	VCP290597	VCP366907
Sample Date	19 Jul 2023	01 Jun 2023	16 Nov 2022	23 Sep 2022
Machine Hours	10311	10051	8396	7815
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	ABNORMAL	SEVERE	NORMAL	NORMAL

SIMS METAL MANAGEMENT

2500 S. PAULINA
 CHICAGO, IL
 US 60608

Contact: RYAN WISE
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 T:
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OIL CONDITION

Visc @ 40°C	cSt	▲ 44.5	▲ 129	■ 40.0	■ 39.7
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CONTAMINATION

Silicon	ppm	■ 13	■ 16	■ 17	■ 19
Sodium	ppm	■ 5	■ 2	■ 12	■ 11
Potassium	ppm	■ <1	■ 5	■ 0	■ 3



WEAR METALS

Iron	ppm	■ 74	● 1236	■ 308	■ 453
Copper	ppm	■ <1	● 751	■ <1	■ 1
Lead	ppm	■ <1	■ 14	■ <1	■ <1
Tin	ppm	■ <1	● 40	■ <1	■ 0
Aluminum	ppm	■ <1	■ 3	■ 2	■ 2
Chromium	ppm	■ 2	■ 14	■ 8	■ 9
Molybdenum	ppm	■ 1	■ 5	■ 13	■ 16
Nickel	ppm	■ <1	▲ 11	■ 1	■ 0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	2	0	0	0
Manganese	ppm	■ 3	■ 12	■ 12	■ 16
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	■ 3497	▲ 833	■ 3941	■ 4546
Magnesium	ppm	■ 22	▲ 405	■ 17	■ 14
Zinc	ppm	■ 1415	▲ 803	■ 1613	■ 1832
Phosphorus	ppm	■ 1114	■ 969	■ 1262	■ 1534
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	■ 121	■ 72	■ 126	■ 141

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The oil viscosity is lower than normal. Confirm oil type.

Depot: SIMCHIL
Unique No: 10586791
Signed: Don Baldrige
Report Date: 04 Aug 2023



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GRAPHS

