



# CONSTRUCTION EQUIPMENT

## VOLVO IPS 1 3194008190 - TRANSMISSION (MANUAL)



**Sample No:** VCP405470  
**Oil Type:** VOLVO API GL-5 SAE 75W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP405470</b>	VCP340311	VCP291911	VCP261450
Sample Date	<b>30 May 2023</b>	28 Apr 2022	07 Nov 2020	29 Apr 2020
Machine Hours	<b>1660</b>	1570	1430	1245
Oil Hours	<b>90</b>	130	185	150
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL

**MCCLUNG-LOGAN EQUIPMENT CO INC MAIN**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>100</b>	101	▲ 71.3	▲ 41.7
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### CONTAMINATION

Silicon	ppm	■ <b>11</b>	■ 11	■ 9	■ 5
Sodium	ppm	■ <b>8</b>	■ 24	■ 9	■ 3
Potassium	ppm	■ <b>3</b>	■ 0	■ <1	■ 3

### Diagnosis

The fluid change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



### WEAR METALS

Iron	ppm	▲ <b>209</b>	▲ 267	▲ 252	▲ 257
Copper	ppm	■ <b>8</b>	■ 14	■ 6	■ 12
Lead	ppm	■ <b>1</b>	■ <1	■ <1	■ 0
Tin	ppm	■ <b>&lt;1</b>	■ <1	■ <1	■ 0
Aluminum	ppm	■ <b>15</b>	■ 15	■ 4	■ 4
Chromium	ppm	■ <b>2</b>	■ 2	■ 2	■ 2
Molybdenum	ppm	■ <b>&lt;1</b>	■ <1	■ <1	■ 0
Nickel	ppm	■ <b>2</b>	■ 2	■ 1	■ 2
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	■ <b>0</b>	■ <1	■ 0	■ 0
Manganese	ppm	■ <b>3</b>	■ 2	■ 4	■ <1
Vanadium	ppm	<b>0</b>	0	0	<1



### ADDITIVES

Calcium	ppm	■ <b>15</b>	■ 14	■ 20	■ 2
Magnesium	ppm	■ <b>7</b>	■ 3	■ 4	■ <1
Zinc	ppm	■ <b>59</b>	■ 63	■ 34	■ 23
Phosphorus	ppm	■ <b>1157</b>	■ 1340	■ 966	■ 501
Barium	ppm	■ <b>0</b>	■ 0	■ 0	■ 0
Boron	ppm	■ <b>10</b>	■ 68	■ 9	■ 6

**Depot:** VOLV00150  
**Unique No:** 10535243  
**Signed:** Jonathan Hester  
**Report Date:** 30 Jun 2023



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## VOLVO GRAPHS

