



# CONSTRUCTION EQUIPMENT

## VOLVO IPS 1 3194008191 - TRANSMISSION (MANUAL)



**Sample No:** VCP405471  
**Oil Type:** VOLVO API GL-5 SAE 75W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP405471</b>	VCP360337	VCP291908	VCP274540
Sample Date	<b>30 May 2023</b>	28 Apr 2022	07 Nov 2020	07 Jun 2020
Machine Hours	<b>1660</b>	1570	1455	1260
Oil Hours	<b>90</b>	130	185	3
Oil Changed	<b>Changed</b>	Changed	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	SEVERE

**MCCLUNG-LOGAN EQUIPMENT CO INC MAIN**  
 4601 WASHINGTON BOULEVARD  
 BALTIMORE, MD  
 US 21227  
 Contact: DARRIN BROWN  
 dbrown@mcclung-logan.com  
 T: (443)610-3793  
 F: x:



### OIL CONDITION

Visc @ 40°C	cSt	<b>100</b>	101	100	79.3
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### CONTAMINATION

Water	%	---	---	---	<b>1.28</b>
Silicon	ppm	<b>12</b>	12	10	19
Sodium	ppm	<b>6</b>	5	6	74
Potassium	ppm	<b>3</b>	0	<1	4

### 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 condition of the fluid is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>130</b>	173	169	98
Copper	ppm	<b>7</b>	8	6	4
Lead	ppm	<b>2</b>	1	<1	<1
Tin	ppm	<b>&lt;1</b>	<1	<1	0
Aluminum	ppm	<b>9</b>	8	6	3
Chromium	ppm	<b>1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	0
Nickel	ppm	<b>2</b>	1	1	<1
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>&lt;1</b>	<1	<1	0
Manganese	ppm	<b>2</b>	2	2	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>22</b>	38	43	24
Magnesium	ppm	<b>8</b>	4	7	16
Zinc	ppm	<b>59</b>	61	65	17
Phosphorus	ppm	<b>1164</b>	1259	1205	874
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>6</b>	7	7	30

**Depot:** VOLVO0150  
**Unique No:** 10535242  
**Signed:** Jonathan Hester  
**Report Date:** 30 Jun 2023



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## VOLVO GRAPHS

