



# CONSTRUCTION EQUIPMENT

## 399261 VOLVO L180H 4705 - FRONT AXLE



**Sample No:** VCP450430  
**Oil Type:** VOLVO WB 102  
**Job No:** 399261



### SAMPLE INFORMATION

Sample Number	<b>VCP450430</b>	VCP380320	VCP352677	VCP298284
Sample Date	<b>26 Mar 2024</b>	22 Nov 2023	23 Sep 2022	16 Sep 2021
Machine Hours	<b>10360</b>	10055	8051	5995
Oil Hours	<b>500</b>	2000	2000	0
Oil Changed	<b>Not Chngd</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	ABNORMAL	SEVERE	NORMAL

### STRONGCO EQUIPMENT INC (STE- FOY)

175, rue de Rotterdam  
 St-Augustin-de-Desmaures, QC  
 CA G3A 2K2  
 Contact: Michel Lepage  
 mlepage@strongco.com  
 T: (418)870-1700  
 F: (418)870-1701



### OIL CONDITION

Visc @ 40°C	cSt	<b>42.4</b>	42.8	49.1	38.9
-------------	-----	-------------	------	------	------



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	<b>▲ 2.697</b>	NEG
Silicon	ppm	<b>8</b>	11	23	7
Sodium	ppm	<b>&lt;1</b>	2	12	8
Potassium	ppm	<b>&lt;1</b>	0	3	1



### WEAR METALS

Iron	ppm	<b>9</b>	52	77	17
Copper	ppm	<b>10</b>	<b>▲ 123</b>	2	4
Lead	ppm	<b>0</b>	3	1	<1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>1</b>	2	4	<1
Chromium	ppm	<b>0</b>	<1	1	<1
Molybdenum	ppm	<b>0</b>	0	<1	<1
Nickel	ppm	<b>0</b>	<1	<1	<1
Titanium	ppm	<b>0</b>	0	<1	0
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>0</b>	<1	2	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>4058</b>	3795	3921	3637
Magnesium	ppm	<b>18</b>	12	16	8
Zinc	ppm	<b>1600</b>	1359	1678	1592
Phosphorus	ppm	<b>1288</b>	1338	1433	1372
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>113</b>	107	119	112

### Diagnosis

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. Il n'y a aucun indice de contamination dans l'huile. L'état de l'huile est acceptable pour la durée de service.

**Depot:** VOLVO0228  
**Unique No:** 5759262  
**Signed:** Wes Davis  
**Report Date:** 02 Apr 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

