



# CONSTRUCTION EQUIPMENT

## 7105 BULK EXPRESS VOLVO L180H 5391 - FRONT AXLE



**Sample No:** VCP440258  
**Oil Type:** VOLVO WB 102  
**Job No:** 7105 BULK EXPRESS



### SAMPLE INFORMATION

Sample Number	<b>VCP440258</b>	VCP440362	VCP434820	VCP425283
Sample Date	<b>26 Dec 2023</b>	10 Nov 2023	14 Sep 2023	19 Jul 2023
Machine Hours	<b>5286</b>	4739	3966	3194
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>42.5</b>	44.3	41.5	42.1
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>14</b>	15	10	11
Sodium	ppm	<b>0</b>	2	3	3
Potassium	ppm	<b>&lt;1</b>	0	<1	0

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>34</b>	45	39	35
Copper	ppm	<b>30</b>	21	58	60
Lead	ppm	<b>0</b>	0	<1	<1
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>1</b>	1	<1	1
Chromium	ppm	<b>&lt;1</b>	<1	1	1
Molybdenum	ppm	<b>4</b>	2	4	5
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>0</b>	<1	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	1	2	2
Vanadium	ppm	<b>0</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>4870</b>	3640	3707	3824
Magnesium	ppm	<b>29</b>	22	24	23
Zinc	ppm	<b>2022</b>	1513	1517	1533
Phosphorus	ppm	<b>1625</b>	1229	1262	1297
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>168</b>	127	138	143

**Depot:** VOLVO0096  
**Unique No:** 10808675  
**Signed:** Don Baldrige  
**Report Date:** 02 Jan 2024



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## GRAPHS

