



# CONSTRUCTION EQUIPMENT

TRANSORT LEASING VOLVO L180H 4929 - FRONT AXLE



**Sample No:** VCP440144  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:** TRANSORT LEASING



## SAMPLE INFORMATION

Sample Number	<b>VCP440144</b>	VCP368337	VCP402498	VCP384993
Sample Date	<b>07 Mar 2024</b>	22 Nov 2023	19 Apr 2023	22 Dec 2022
Machine Hours	<b>12019</b>	11038	10202	9173
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	N/A	N/A
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>50.8</b>	52.0	48.6	49.5
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>16</b>	17	15	<1
Sodium	ppm	<b>1</b>	3	<1	11
Potassium	ppm	<b>0</b>	5	0	29

## 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>19</b>	16	18	70
Copper	ppm	<b>0</b>	<1	0	<1
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>&lt;1</b>	0	0	<1
Aluminum	ppm	<b>1</b>	<1	1	0
Chromium	ppm	<b>0</b>	<1	<1	<1
Molybdenum	ppm	<b>4</b>	2	4	<1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	<1	0	<1
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	<1	0	<1



## ADDITIVES

Calcium	ppm	<b>3228</b>	3268	3268	17
Magnesium	ppm	<b>61</b>	22	44	11
Zinc	ppm	<b>1337</b>	1335	1324	25
Phosphorus	ppm	<b>1118</b>	1102	1080	182
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>116</b>	109	112	1

**Depot:** VOLVO1835  
**Unique No:** 10940880  
**Signed:** Wes Davis  
**Report Date:** 25 Mar 2024



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## GRAPHS

