



# CONSTRUCTION EQUIPMENT

## TRANSPORT LEASING VOLVO L180H 4929 - REAR AXLE



**Sample No:** VCP368343  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:** TRANSPORT LEASING



### SAMPLE INFORMATION

Sample Number	<b>VCP368343</b>	VCP402499	VCP335690	VCP360549
Sample Date	<b>22 Nov 2023</b>	19 Apr 2023	22 Dec 2022	08 Apr 2022
Machine Hours	<b>11038</b>	10202	9173	8271
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	N/A	N/A	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**ARNOLD MACHINERY COMPANY**  
 464 WASHINGTON STREET S  
 TWIN FALLS, ID  
 US 83301  
 Contact: JANA E HYMAS  
 jhymas@arnoldmachinery.com  
 T: (208)733-1715  
 F: (775)356-7152



### OIL CONDITION

Visc @ 40°C	cSt	<b>50.7</b>	49.2	49.5	53.2
-------------	-----	-------------	------	------	------



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>19</b>	17	1	13
Sodium	ppm	<b>4</b>	<1	12	4
Potassium	ppm	<b>6</b>	0	29	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>117</b>	141	85	64
Copper	ppm	<b>&lt;1</b>	<1	<1	<1
Lead	ppm	<b>0</b>	0	2	0
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>&lt;1</b>	1	<1	1
Chromium	ppm	<b>&lt;1</b>	1	<1	<1
Molybdenum	ppm	<b>2</b>	4	2	9
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>&lt;1</b>	0	<1	0
Silver	ppm	<b>0</b>	0	<1	<1
Manganese	ppm	<b>1</b>	2	<1	1
Vanadium	ppm	<b>&lt;1</b>	0	<1	0



### ADDITIVES

Calcium	ppm	<b>3277</b>	3369	22	3430
Magnesium	ppm	<b>19</b>	36	12	121
Zinc	ppm	<b>1339</b>	1348	33	1375
Phosphorus	ppm	<b>1114</b>	1084	260	1188
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>113</b>	113	5	108

**Depot:** VOLVO1835  
**Unique No:** 10777972  
**Signed:** Wes Davis  
**Report Date:** 09 Dec 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

