



# CONSTRUCTION EQUIPMENT

## TRANSPORT LEASING VOLVO L220H 2280 - REAR AXLE



**Sample No:** VCP429828  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:** TRANSPORT LEASING



### SAMPLE INFORMATION

Sample Number	VCP429828	VCP371228	VCP394254	VCP395452
Sample Date	26 Jan 2024	10 Oct 2023	27 Feb 2023	06 Dec 2022
Machine Hours	22180	21192	20011	18802
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	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	53.9	51.4	51.7	52.5
-------------	-----	------	------	------	------



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	18	19	17	16
Sodium	ppm	<1	<1	<1	3
Potassium	ppm	0	0	0	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	53	66	53	69
Copper	ppm	0	0	<1	0
Lead	ppm	0	0	<1	<1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	<1	<1	<1	1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	0	<1	4	6
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	<1	1	<1
Vanadium	ppm	0	0	0	0



### ADDITIVES

Calcium	ppm	3330	3468	3336	3258
Magnesium	ppm	22	36	42	52
Zinc	ppm	1374	1457	1270	1292
Phosphorus	ppm	1144	1195	1017	1027
Barium	ppm	0	<1	0	<1
Boron	ppm	110	117	108	112

**Depot:** VOLVO1835  
**Unique No:** 10870297  
**Signed:** Wes Davis  
**Report Date:** 08 Feb 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

