



# CONSTRUCTION EQUIPMENT

SPM579126 VOLVO A30G 740113 - FRONT AXLE



**Sample No:** VCP409228  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM579126



## SAMPLE INFORMATION

Sample Number	<b>VCP409228</b>	VCP365799	VCP317774	VCP203450
Sample Date	<b>06 Jul 2023</b>	28 Nov 2022	02 Jul 2021	01 Sep 2017
Machine Hours	<b>9329</b>	8980	4067	336
Oil Hours	<b>0</b>	0	0	336
Oil Changed	<b>Not Chngd</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**ALTA EQUIPMENT CO - ORLAND PARK**  
 5000 INDUSTRIAL HWY  
 GARY, IN  
 US 46406  
 Contact: DAVE ENG  
 DAVE.ENG@ALTG.COM  
 T: (312)350-2560  
 F:



## OIL CONDITION

Visc @ 40°C	cSt	<b>44.3</b>	47.2	55.8	53.71
-------------	-----	-------------	------	------	-------



## CONTAMINATION

Silicon	ppm	<b>12</b>	4	9	3
Sodium	ppm	<b>2</b>	2	5	4
Potassium	ppm	<b>0</b>	2	1	2



## WEAR METALS

Iron	ppm	<b>81</b>	122	100	96
Copper	ppm	<b>15</b>	54	5	9
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	1	<1	3
Aluminum	ppm	<b>1</b>	1	1	<1
Chromium	ppm	<b>1</b>	2	2	3
Molybdenum	ppm	<b>&lt;1</b>	0	<1	0
Nickel	ppm	<b>0</b>	0	<1	<1
Titanium	ppm	<b>&lt;1</b>	0	<1	<1
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>2</b>	2	1	6
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>3500</b>	508	291	12
Magnesium	ppm	<b>20</b>	3	4	0
Zinc	ppm	<b>1407</b>	252	168	8
Phosphorus	ppm	<b>1484</b>	2140	1916	2068
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>161</b>	166	268	243

## 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. Confirm oil type. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO8885  
**Unique No:** 10560820  
**Signed:** Don Baldrige  
**Report Date:** 18 Jul 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

