



# CONSTRUCTION EQUIPMENT

SPM502739 OMNISOURCE SENNEBOGEN 825 825.0.2100 - FRONT AXLE



**Sample No:** VCP399362  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** SPM502739 OMNISOURCE



## SAMPLE INFORMATION

Sample Number	<b>VCP399362</b>	VCP292434	VCP264718	---
Sample Date	<b>10 Feb 2023</b>	19 Nov 2020	09 Jan 2020	---
Machine Hours	<b>8011</b>	5907	5012	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

**ALTA CONSTRUCTION EQUIPMENT LLC**  
 G-3283 S. DORT HIGHWAY  
 BURTON, MI  
 US 48529  
 Contact: BURTON SERVICE  
 BURTON.SERVICE@ALTAEQUIPMENT.COM  
 T:  
 F:



## OIL CONDITION

Visc @ 40°C	cSt	<b>145</b>	140	134	---
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## CONTAMINATION

Silicon	ppm	<b>2</b>	<1	4	---
Sodium	ppm	<b>1</b>	1	2	---
Potassium	ppm	<b>0</b>	<1	1	---

## 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>8</b>	4	9	---
Copper	ppm	<b>&lt;1</b>	<1	2	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>0</b>	0	<1	---
Aluminum	ppm	<b>0</b>	0	<1	---
Chromium	ppm	<b>0</b>	0	<1	---
Molybdenum	ppm	<b>0</b>	0	0	---
Nickel	ppm	<b>&lt;1</b>	<1	<1	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	<1	0	---
Manganese	ppm	<b>&lt;1</b>	<1	1	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>7</b>	27	211	---
Magnesium	ppm	<b>0</b>	<1	1	---
Zinc	ppm	<b>13</b>	28	120	---
Phosphorus	ppm	<b>1830</b>	2450	1876	---
Barium	ppm	<b>0</b>	0	<1	---
Boron	ppm	<b>187</b>	210	141	---

**Depot:** VOLVO5023  
**Unique No:** 10344571  
**Signed:** Don Baldrige  
**Report Date:** 18 Feb 2023



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## GRAPHS

