



# CONSTRUCTION EQUIPMENT

## SWO-072401 - REAR AXLE



**Sample No:** VCP439794  
**Oil Type:** GEAR OIL SAE 80W140  
**Job No:** SWO-072401



### SAMPLE INFORMATION

Sample Number	<b>VCP439794</b>	VCP431023	VCP412983	VCP397708
Sample Date	<b>31 May 2024</b>	03 Nov 2023	11 Jul 2023	20 Jan 2023
Machine Hours	<b>10125</b>	9145	8645	7659
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### SAIIA CONSTRUCTION LLC

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### OIL CONDITION

Visc @ 40°C	cSt	<b>267</b>	226	184	57.5
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>9</b>	19	3	1
Sodium	ppm	<b>0</b>	<1	<1	5
Potassium	ppm	<b>0</b>	0	<1	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>15</b>	54	38	70
Copper	ppm	<b>0</b>	0	1	2
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>0</b>	2	<1	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	2
Molybdenum	ppm	<b>7</b>	4	2	<1
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	<1	1	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>170</b>	72	56	25
Magnesium	ppm	<b>42</b>	32	47	<1
Zinc	ppm	<b>121</b>	71	103	15
Phosphorus	ppm	<b>1001</b>	922	1387	2023
Barium	ppm	<b>0</b>	0	0	1
Boron	ppm	<b>201</b>	146	193	274

**Depot:** SAIBIR  
**Unique No:** 11071137  
**Signed:** Jonathan Hester  
**Report Date:** 12 Jun 2024

**VOLVO** GRAPHS

