



# CONSTRUCTION EQUIPMENT

## SWO-067841 EPIROC TMG21 SED0223 - REAR LEFT FINAL DRIVE



**Sample No:** VCP445719  
**Oil Type:** MOBIL MOBILGEAR SHC 220  
**Job No:** SWO-067841



### SAMPLE INFORMATION

Sample Number	<b>VCP445719</b>	VCP433876	VCP424232	VCP408676
Sample Date	<b>27 Nov 2023</b>	29 Aug 2023	05 Jul 2023	17 May 2023
Machine Hours	<b>3804</b>	3384	3133	2865
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>212</b>	215	216	216
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>35</b>	34	33	21
Sodium	ppm	<b>&lt;1</b>	0	0	1
Potassium	ppm	<b>1</b>	2	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>215</b>	139	127	186
Copper	ppm	<b>8</b>	6	4	9
Lead	ppm	<b>10</b>	10	8	19
Tin	ppm	<b>&lt;1</b>	<1	<1	0
Aluminum	ppm	<b>3</b>	2	4	3
Chromium	ppm	<b>2</b>	1	1	1
Molybdenum	ppm	<b>0</b>	0	<1	0
Nickel	ppm	<b>&lt;1</b>	<1	<1	0
Titanium	ppm	<b>&lt;1</b>	<1	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>3</b>	2	2	3
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>36</b>	20	17	129
Magnesium	ppm	<b>5</b>	<1	1	2
Zinc	ppm	<b>0</b>	2	0	26
Phosphorus	ppm	<b>392</b>	387	469	453
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>4</b>	5	0	8

**Depot:** SAIBIR  
**Unique No:** 10766331  
**Signed:** Don Baldrige  
**Report Date:** 04 Dec 2023



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## VOLVO GRAPHS

