



# CONSTRUCTION EQUIPMENT

## SWO-063665 EPIROC TMG21 SED0223 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP424295  
**Oil Type:** MOBIL MOBILGEAR SHC 220  
**Job No:** SWO-063665



### SAMPLE INFORMATION

Sample Number	<b>VCP424295</b>	VCP410140	VCP410142	VCP380777
Sample Date	<b>05 Jul 2023</b>	17 May 2023	03 Apr 2023	18 Jan 2023
Machine Hours	<b>3133</b>	2865	2651	2404
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	NORMAL

### SAIIA CONSTRUCTION LLC

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### OIL CONDITION

Visc @ 40°C	cSt	<b>217</b>	217	215	218
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### CONTAMINATION

Water	%	---	---	---	0.156
Silicon	ppm	<b>61</b>	▲ 87	71	73
Sodium	ppm	<b>0</b>	<1	1	2
Potassium	ppm	<b>3</b>	5	3	4

### 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>113</b>	289	235	201
Copper	ppm	<b>5</b>	13	13	11
Lead	ppm	<b>8</b>	19	19	17
Tin	ppm	<b>&lt;1</b>	0	<1	<1
Aluminum	ppm	<b>14</b>	▲ 15	12	11
Chromium	ppm	<b>1</b>	2	3	2
Molybdenum	ppm	<b>0</b>	0	<1	<1
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	3	4	3
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>37</b>	120	104	101
Magnesium	ppm	<b>4</b>	14	14	15
Zinc	ppm	<b>0</b>	0	7	0
Phosphorus	ppm	<b>447</b>	414	408	399
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>0</b>	2	1	2

**Depot:** SAIBIR  
**Unique No:** 10551194  
**Signed:** Sean Felton  
**Report Date:** 12 Jul 2023



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## VOLVO GRAPHS

