



# CONSTRUCTION EQUIPMENT

## SWO-072471 EPIROC TMG2 ISEDO223 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP443003  
**Oil Type:** MOBIL MOBILGEAR SHC 220  
**Job No:** SWO-072471



### SAMPLE INFORMATION

Sample Number	<b>VCP443003</b>	VCP449845	VCP445309	VCP441321
Sample Date	<b>05 Jun 2024</b>	16 Apr 2024	06 Mar 2024	30 Jan 2024
Machine Hours	<b>4958</b>	4708	4459	4133
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL

### SAIIA CONSTRUCTION LLC

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### OIL CONDITION

Visc @ 40°C	cSt	<b>217</b>	217	215	216
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>69</b>	114	118	89
Sodium	ppm	<b>1</b>	0	<1	0
Potassium	ppm	<b>7</b>	5	6	6

### 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>223</b>	375	434	266
Copper	ppm	<b>10</b>	13	14	12
Lead	ppm	<b>25</b>	40	33	25
Tin	ppm	<b>2</b>	<1	1	<1
Aluminum	ppm	<b>12</b>	22	22	16
Chromium	ppm	<b>3</b>	4	4	3
Molybdenum	ppm	<b>2</b>	0	0	<1
Nickel	ppm	<b>&lt;1</b>	0	<1	1
Titanium	ppm	<b>&lt;1</b>	2	1	1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>3</b>	4	4	3
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>75</b>	192	134	73
Magnesium	ppm	<b>8</b>	15	0	10
Zinc	ppm	<b>2</b>	17	0	0
Phosphorus	ppm	<b>393</b>	332	412	397
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>&lt;1</b>	2	0	2

**Depot:** SAIBIR  
**Unique No:** 11074392  
**Signed:** Don Baldrige  
**Report Date:** 13 Jun 2024



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## GRAPHS

