



CONSTRUCTION EQUIPMENT

SWO-067841 EPIROC TMG21 SED0223 - REAR RIGHT FINAL DRIVE



Sample No: VCP445720
Oil Type: MOBIL MOBILGEAR SHC 220
Job No: SWO-067841



SAMPLE INFORMATION

Sample Number	VCP445720	VCP433640	VCP424295	VCP410140
Sample Date	27 Nov 2023	29 Aug 2023	05 Jul 2023	17 May 2023
Machine Hours	3804	3384	3133	2865
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

SAIIA CONSTRUCTION LLC

4400 LEWISBURG RD
 BIRMINGHAM, AL
 US 35207

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OIL CONDITION

Visc @ 40°C	cSt	216	213	217	217
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	73	62	61	▲ 87
Sodium	ppm	<1	0	0	<1
Potassium	ppm	4	3	3	5

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	189	118	113	289
Copper	ppm	9	6	5	13
Lead	ppm	16	10	8	19
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	14	12	14	▲ 15
Chromium	ppm	2	1	1	2
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	2	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	56	30	37	120
Magnesium	ppm	8	3	4	14
Zinc	ppm	0	1	0	0
Phosphorus	ppm	390	391	447	414
Barium	ppm	0	0	0	0
Boron	ppm	2	6	0	2

Depot: SAIBIR
Unique No: 10766332
Signed: Don Baldrige
Report Date: 04 Dec 2023



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GRAPHS

