



CONSTRUCTION EQUIPMENT

SWO-068838

EPIROC TMG21 SED0223 - REAR LEFT FINAL DRIVE



Sample No: VCP431070
Oil Type: MOBIL MOBILGEAR SHC 220
Job No: SWO-068838



SAMPLE INFORMATION

Sample Number	VCP431070	VCP445719	VCP433876	VCP424232
Sample Date	30 Jan 2024	27 Nov 2023	29 Aug 2023	05 Jul 2023
Machine Hours	4133	3804	3384	3133
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

4400 LEWISBURG RD

BIRMINGHAM, AL

US 35207

Contact: STEPHANI BRITTON

sbritton@saiia.com;doug.bogart@wearcheck.com

T: (205)943-2268

F: (205)943-2269



OIL CONDITION

Visc @ 40°C	cSt	216	212	215	216
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	37	35	34	33
Sodium	ppm	0	<1	0	0
Potassium	ppm	2	1	2	1



WEAR METALS

Iron	ppm	277	215	139	127
Copper	ppm	10	8	6	4
Lead	ppm	13	10	10	8
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	3	3	2	4
Chromium	ppm	3	2	1	1
Molybdenum	ppm	<1	0	0	<1
Nickel	ppm	2	<1	<1	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	3	3	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	47	36	20	17
Magnesium	ppm	4	5	<1	1
Zinc	ppm	0	0	2	0
Phosphorus	ppm	409	392	387	469
Barium	ppm	0	0	0	0
Boron	ppm	6	4	5	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.

Depot: SAIBIR

Unique No: 10860690

Signed: Don Baldrige

Report Date: 06 Feb 2024



CONSTRUCTION EQUIPMENT



GRAPHS

