



CONSTRUCTION EQUIPMENT

SWO-068838 EPIROC TMG21 SEDO223 - REAR RIGHT FINAL DRIVE



Sample No: VCP441321
Oil Type: MOBIL MOBILGEAR SHC 220
Job No: SWO-068838



SAMPLE INFORMATION

Sample Number	VCP441321	VCP445720	VCP433640	VCP424295
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	ABNORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	216	216	213	217
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	▲ 89	73	62	61
Sodium	ppm	0	<1	0	0
Potassium	ppm	6	4	3	3

Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	266	189	118	113
Copper	ppm	12	9	6	5
Lead	ppm	25	16	10	8
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	▲ 16	14	12	14
Chromium	ppm	3	2	1	1
Molybdenum	ppm	<1	0	0	0
Nickel	ppm	1	<1	<1	<1
Titanium	ppm	1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	3	2	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	73	56	30	37
Magnesium	ppm	10	8	3	4
Zinc	ppm	0	0	1	0
Phosphorus	ppm	397	390	391	447
Barium	ppm	0	0	0	0
Boron	ppm	2	2	6	0

Depot: SAIBIR
Unique No: 10860691
Signed: Jonathan Hester
Report Date: 06 Feb 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

