



CONSTRUCTION EQUIPMENT

SWO-068635 EPIROC TMG21 SEDO165 - REAR LEFT FINAL DRIVE



Sample No: VCP442795
Oil Type: MOBIL MOBILGEAR SHC 220
Job No: SWO-068635



SAMPLE INFORMATION

Sample Number	VCP442795	VCP445802	VCP429380	VCP415933
Sample Date	04 Jan 2024	14 Nov 2023	04 Oct 2023	09 Aug 2023
Machine Hours	4682	4407	4102	3817
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	187	184	187	189
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	44	41	30	46
Sodium	ppm	0	<1	<1	0
Potassium	ppm	3	1	0	2



WEAR METALS

Iron	ppm	508	415	234	263
Copper	ppm	51	43	38	34
Lead	ppm	102	99	90	80
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	3	4	3	6
Chromium	ppm	6	5	3	3
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	4	4	3	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	243	231	194	252
Magnesium	ppm	7	7	8	7
Zinc	ppm	104	104	93	107
Phosphorus	ppm	515	491	439	466
Barium	ppm	3	0	<1	2
Boron	ppm	11	12	8	11

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. 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: 10830992
Signed: Jonathan Hester
Report Date: 16 Jan 2024



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GRAPHS

