

Machine Id **12923** Component **Rear Drum Gearbox** Fluid **MOBIL MOBILGEAR 630 (--- GAL)**

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

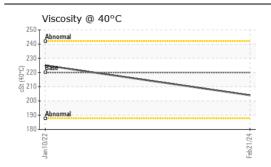
FLUID CONDITION

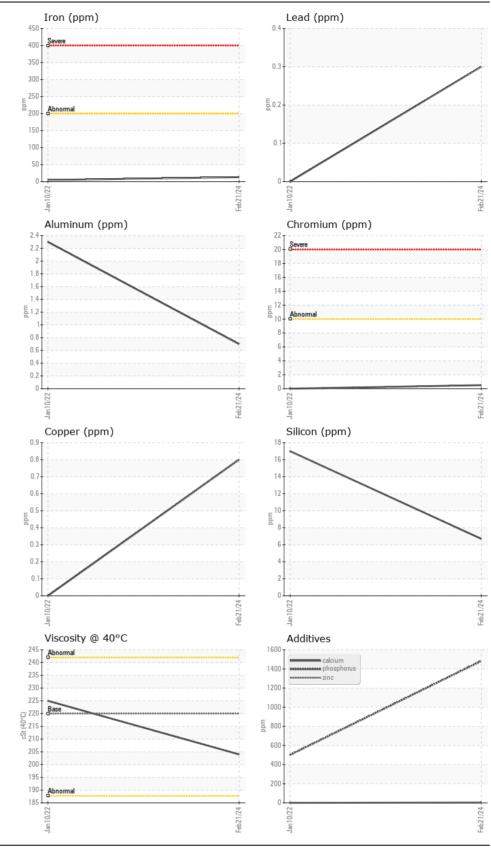
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0036053	DC0017560	
Sample Date		Client Info		21 Feb 2024	10 Jan 2022	
Machine Age	hrs	Client Info		6479	5763	
Oil Age	hrs	Client Info		0	500	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	Not Changd	
Filter Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
Iran			. 200	10	4	
Iron Chromium	ppm	ASTM D5185m ASTM D5185m	>200 >10	13	0	
Nickel	ppm			<1 <1	-	
Titanium	ppm	ASTM D5185m ASTM D5185m	>10	<1	0	
Silver	ppm	ASTM D5185m		<1 0	0 <1	
Aluminum	ppm	ASTM D5185m		0 <1	2	
Lead	ppm	ASTM D5185m		<1 <1	2	
Copper	ppm ppm	ASTM D5185m		<1	0	
Tin		ASTM D5185m		<1 <1	0	
Vanadium	ppm ppm	ASTM D5185m		<1	0	
White Metal	scalar	*Visual	NONE	NONE	MODER	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
	Scala	visuai			NONE	
Silicon	ppm	ASTM D5185m		7	17	
Potassium	ppm	ASTM D5185m	>20	-		
	ppm		~20	1	0	
Water	ρριιι	WC Method	>0.2	I NEG	0 NEG	
Water Silt	scalar			-		
		WC Method	>0.2	NEG	NEG	
Silt	scalar	WC Method *Visual	>0.2 NONE	NEG NONE	NEG NONE	
Silt Debris	scalar scalar	WC Method *Visual *Visual	>0.2 NONE NONE	NEG NONE LIGHT	NEG NONE NONE	
Silt Debris Sand/Dirt	scalar scalar scalar	WC Method *Visual *Visual *Visual	>0.2 NONE NONE NONE	NEG NONE LIGHT NONE	NEG NONE NONE NONE	
Silt Debris Sand/Dirt Appearance	scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual	>0.2 NONE NONE NONE NORML	NEG NONE LIGHT NONE NORML	NEG NONE NONE NORE	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water	scalar scalar scalar scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>0.2 NONE NONE NORML NORML	NEG NONE LIGHT NONE NORML NORML NEG	NEG NONE NONE NORML NORML NEG	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	scalar scalar scalar scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>0.2 NONE NONE NORML NORML	NEG NONE LIGHT NONE NORML NEG 0	NEG NONE NONE NORML NORML NEG	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	scalar scalar scalar scalar scalar scalar ppm	WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>0.2 NONE NONE NORML NORML	NEG NONE LIGHT NONE NORML NORML NEG 0 <1	NEG NONE NONE NORML NORML NEG 0 1	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	scalar scalar scalar scalar scalar scalar ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>0.2 NONE NONE NORML NORML	NEG NONE LIGHT NORML NORML NEG 0 <1	NEG NONE NONE NORML NORML NEG 0 1 0	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	scalar scalar scalar scalar scalar scalar ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>0.2 NONE NONE NORML NORML	NEG NONE LIGHT NONE NORML NEG 0 <1 1 1	NEG NONE NONE NORML NORML NEG 0 1 0 2	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>0.2 NONE NONE NORML NORML	NEG NONE LIGHT NONE NORML NORML NEG 0 <1 1 1 <1	NEG NONE NONE NORML NORML NEG 0 1 0 2 1 0 2 1 0	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>0.2 NONE NONE NORML NORML	NEG NONE LIGHT NORML NORML NEG 0 <1 1 <1 <1 <1 <1 <1 <1 <1	NEG NONE NONE NORML NORML NEG 0 1 0 2 1 0 2 1 0 0 2 1 0 0 0	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>0.2 NONE NONE NORML NORML	NEG NONE LIGHT NORML NORML NEG 0 <1 1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	NEG NONE NONE NORML NORML NEG 0 1 0 2 1 0 2 1 0 0 2 1 0 0 2 1 0 0 2 1	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>0.2 NONE NONE NORML NORML	NEG NONE LIGHT NORML NORML NEG 0 <1 1 <1 <1 <1 <1 <1 <1 <1	NEG NONE NONE NORML NORML NEG 0 1 0 2 1 0 2 1 0 0 2 1 0 0 0	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>0.2 NONE NONE NORML NORML	NEG NONE LIGHT NORML NORML NORML 0 <1 1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	NEG NONE NONE NORML NORML NEG 0 1 0 2 1 0 2 1 0 0 2 1 0 0 2 1 0 0 2 1 0 0 0 2 1 0 0 0 2 1 0 0 0 1 0 0 0 0	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>0.2 NONE NONE NORML NORML	NEG NONE LIGHT NORML NORML NEG 0 <1 1 <1 <1 <1 <1 <1 <1 3 1482	NEG NONE NONE NORML NORML NEG 0 1 0 <1 0 <1 0 0 <1 0 0 <1 501	

Contact/Location: JAMIE FORESTER - FRAROCDC

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL





FRANCIS O DAY Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : DC0036053 Received : 28 Feb 2024 14900 SOUTHLAWN LN Lab Number : 06103898 : 29 Feb 2024 ROCKVILLE, MD Tested Unique Number : 10902128 : 01 Mar 2024 - Don Baldridge US 20850 Diagnosed Test Package : MOB 1 Contact: JAMIE FORESTER Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Contact/Location: JAMIE FORESTER - FRAROCDC