

# WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

#### Machine Id **ROSHARON T-1111** Component **Front Differential** Fluid **GEAR OIL SAE 80W140 (--- GAL)**

# RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

### **WEAR**

All component wear rates are normal.

## CONTAMINATION

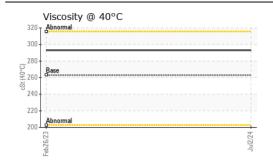
There is no indication of any contamination in the oil.

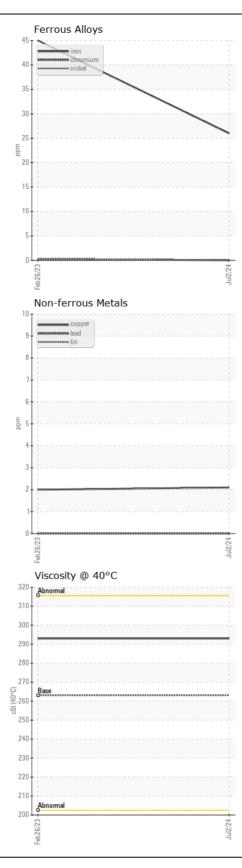
# FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0941956	WC0710314	
Sample Date		Client Info		02 Jul 2024	26 Feb 2023	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Filter Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
Iron	nom	ASTM D5185m	>500	26	45	
Chromium	ppm	ASTM D5185m	>10	0	<1	
Nickel	ppm	ASTM D5185m	>10	0	<1	
Titanium	ppm	ASTM D5185m	>10	0	0	
Silver	ppm	ASTM D5185m				
Aluminum	ppm	ASTM D5185m	>25	0	<1 <1	
Lead	ppm	ASTM D5185m	>25	0	0	
	ppm	ASTM D5185m	>20	2	2	
Copper Tin	ppm	ASTM D5185m		2	0	
Vanadium	ppm	ASTM D5185m	>10	0	0	
White Metal	ppm	*Visual	NONE		MODER	
	scalar			NONE NONE	-	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>75	3	4	
Silicon Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>75 >20	3 <1	4 <1	
				-		 
Potassium		ASTM D5185m	>20	<1	<1	  
Potassium Water	ppm	ASTM D5185m WC Method	>20 >.2	<1 NEG	<1 NEG	
Potassium Water Silt	ppm scalar	ASTM D5185m WC Method *Visual	>20 >.2 NONE	<1 NEG NONE	<1 NEG NONE	
Potassium Water Silt Debris	ppm scalar scalar	ASTM D5185m WC Method *Visual *Visual	>20 >.2 NONE NONE	<1 NEG NONE NONE	<1 NEG NONE NONE	
Potassium Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual	>20 >.2 NONE NONE NONE	<1 NEG NONE NONE NONE	<1 NEG NONE NONE	
Potassium Water Silt Debris Sand/Dirt Appearance	ppm scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>20 >.2 NONE NONE NONE NORML	<1 NEG NONE NONE NONE NORML	<1 NEG NONE NONE NONE NORML	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>20 >.2 NONE NONE NORML NORML	<1 NEG NONE NONE NORML NORML NEG	<1 NEG NONE NONE NORML NORML NEG	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >.2 NONE NONE NORML NORML >.2	<1 NEG NONE NONE NORML NORML NEG 2	<1 NEG NONE NONE NORML NORML NEG	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >.2 NONE NONE NORML >.2 400	<1 NEG NONE NONE NORML NORML NEG 2 230	<1 NEG NONE NONE NORML NORML NEG 1 281	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>20 >.2 NONE NONE NORML NORML >.2 400 200	<1 NEG NONE NONE NORML NORML NEG 2 230 0	<1 NEG NONE NONE NORML NORML NEG	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >.2 NONE NONE NORML >.2 400	<1 NEG NONE NONE NORML NORML NEG 2 230	<1 NEG NONE NONE NORML NORML NEG 1 281 <1	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>20 >.2 NONE NONE NORML NORML >.2 400 200	<1 NEG NONE NONE NORML NORML NEG 2 230 0 <1	<1 NEG NONE NONE NORML NORML NEG 1 281 <1 281 <1	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >.2 NONE NONE NORML >.2 400 200 12	<1 NEG NONE NONE NORML NORML NEG 2 230 0 <1 1	<1 NEG NONE NONE NORML NORML NEG 1 281 <1 281 <1 1 1	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >.2 NONE NONE NORML NORML >.2 400 200 12 12	<1 NEG NONE NONE NORML NORML NEG 2 230 0 <1 1 1 <1	<1 NEG NONE NONE NORML NORML NEG 1 281 <1 1 281 1 1 281 281 281 281 281 281 281	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >.2 NONE NONE NORML NORML >.2 400 200 12	<1 NEG NONE NONE NORML NORML NEG 2 230 0 <1 1 1 <1 56	<1 NEG NONE NONE NORML NORML NEG 1 281 <1 281 <1 1 1 281 <1 281 <1 281 48	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >.2 NONE NONE NORML >.2 400 200 12 12 12 150 1650 125	<1 NEG NONE NONE NORML NORML NEG 2 230 0 <1 1 1 <1 56 1002 20	<1 NEG NONE NONE NORML NORML NEG 1 281 <1 281 <1 1 1 281 48 928	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >.2 NONE NONE NORML >.2 400 200 12 12 12 150 1650	<1 NEG NONE NONE NORML NORML NEG 2 230 0 <1 1 1 <1 56 1002	<1 NEG NONE NONE NORML NORML NEG 1 281 <1 281 <1 1 281 4 8 4 928 25	

Contact/Location: Natalie Perrone - SIDFRI







Lab Number : 06227911 Tested FRIENDSWOOD, TX : 05 Jul 2024 Unique Number : 11111404 Diagnosed : 05 Jul 2024 - Wes Davis US 77546 Test Package : CONST Contact: Natalie Perrone Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. nperrone@siddons-martin.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Received

: 03 Jul 2024

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Laboratory

Sample No.

: WC0941956

Contact/Location: Natalie Perrone - SIDFRI Page 2 of 2

SIDDONS-MARTIN EMERGENCY GROUP

4401 REX RD

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