

# WEAR SEVERE CONTAMINATION SEVERE FLUID CONDITION NORMAL

#### Machine Id C220E310859 Component Left Final Drive Fluid GEAR OIL SAE 80W140 (--- GAL)

#### RECOMMENDATION

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We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

#### WEAR

Gear wear is indicated.

## CONTAMINATION

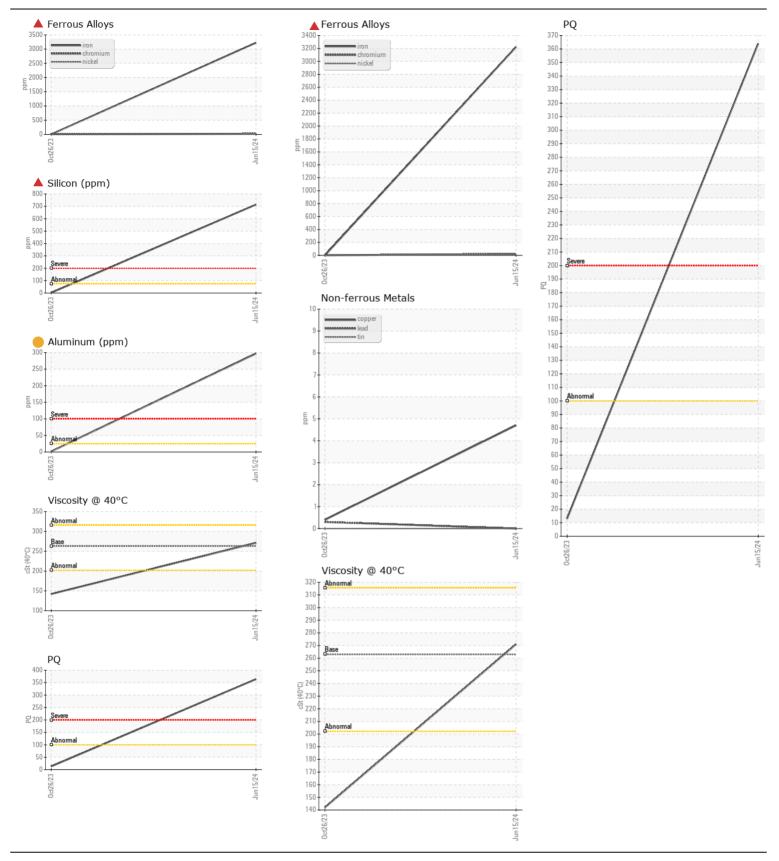
Elemental levels of silicon (Si) and aluminum (AI) indicate aluminasilicate (coarse dirt) ingress.

### FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0220348	JR0188108	
Sample Date		Client Info		15 Jun 2024	26 Oct 2023	
Machine Age	hrs	Client Info		5587	5080	
Oil Age	hrs	Client Info		5587	5080	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Not Changd	Not Changd	
Filter Changed		Client Info		N/A	Not Changd	
Sample Status				SEVERE	NORMAL	
PQ		ASTM D8184		364	13	
Iron	ppm	ASTM D5185m	>500	▲ 3223	<1	
Chromium	ppm	ASTM D5185m	>10	<b>2</b> 2	<1	
Nickel	ppm	ASTM D5185m	>10	<b>5</b>	<1	
Titanium	ppm	ASTM D5185m		17	<1	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	297	2	
Lead	ppm	ASTM D5185m	>25	0	<1	
Copper	ppm	ASTM D5185m	>50	5	<1	
Tin	ppm	ASTM D5185m	>10	0	0	
Vanadium	ppm	ASTM D5185m		<1	0	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>75	<b>A</b> 714	2	
Potassium	ppm	ASTM D5185m	>20	59	1	
Water	1-1-	WC Method	>0.2	NEG	NEG	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
Sodium	ppm	ASTM D5185m		9	0	
Boron	ppm	ASTM D5185m	400	195	0	
Barium	ppm	ASTM D5185m	200	<1	4	
Molybdenum	ppm	ASTM D5185m	12	2	<1	
Manganese	ppm	ASTM D5185m		23	0	
Magnesium	ppm	ASTM D5185m	12	24	2	
Calcium	ppm	ASTM D5185m	150	72	4	
Phosphorus	ppm	ASTM D5185m	1650	1107	348	
Zinc	ppm	ASTM D5185m	125	26	0	
Sulfur	ppm	ASTM D5185m	22500	26735	22443	
Visc @ 40°C	cSt	ASTM D445	263	271	142	
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Submitted By: Ray Benson



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **JRE - CHARLOTTE** Sample No. : JR0220348 Received : 18 Jun 2024 9550 STATESVILLE ROAD Ē Lab Number : 06213782 Tested CHARLOTTE, NC : 20 Jun 2024 Unique Number : 11086646 : 20 Jun 2024 - Sean Felton Diagnosed US 28269 Test Package : CONST (Additional Tests: PQ) Contact: CHARLOTTE SHOP Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. myoung@jamesriverequipment.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (704)597-0211 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (704)596-6198

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