



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
BERGMANN C912S 20-5360
Component
Right Final Drive
Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0203154	JR0107174	---
Sample Date		Client Info		29 Jan 2024	09 Dec 2021	---
Machine Age	hrs	Client Info		742	257	---
Oil Age	hrs	Client Info		742	257	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		170	150	---
Iron	ppm	ASTM D5185m	>150	153	226	---
Chromium	ppm	ASTM D5185m	>10	1	2	---
Nickel	ppm	ASTM D5185m	>10	2	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	<1	---
Aluminum	ppm	ASTM D5185m	>25	5	3	---
Lead	ppm	ASTM D5185m	>100	<1	<1	---
Copper	ppm	ASTM D5185m	>50	33	35	---
Tin	ppm	ASTM D5185m	>10	2	3	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

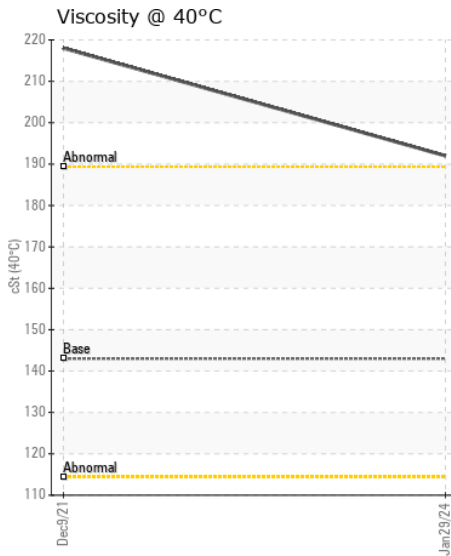
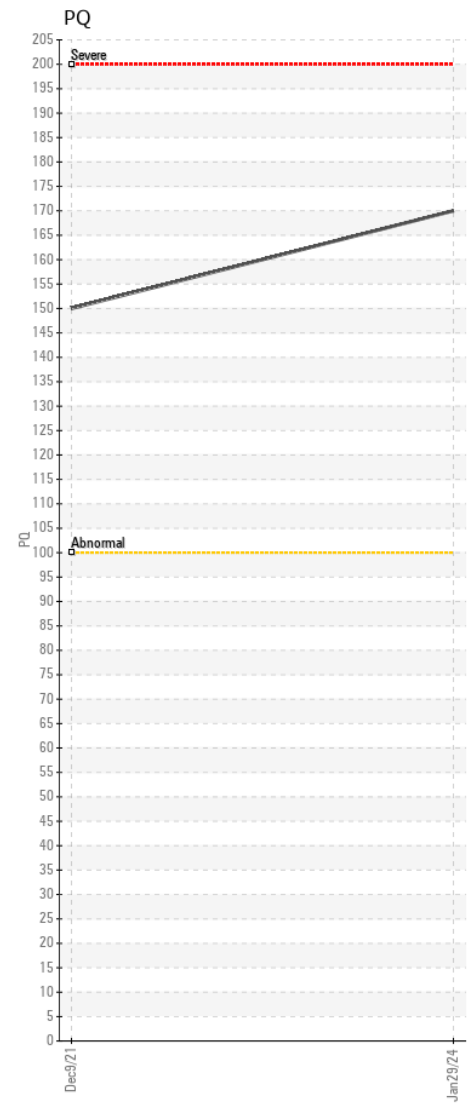
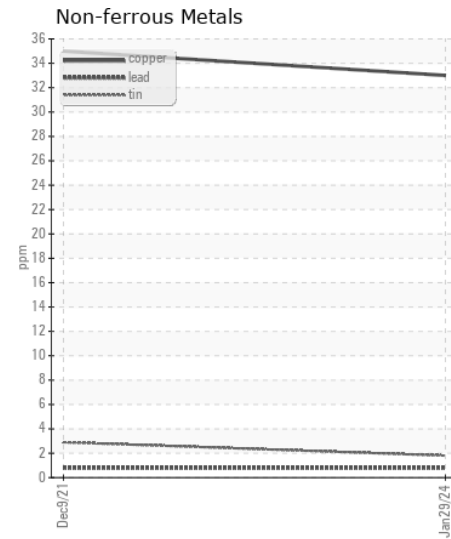
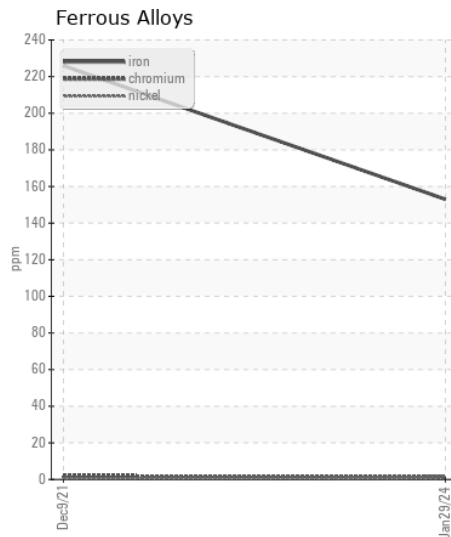
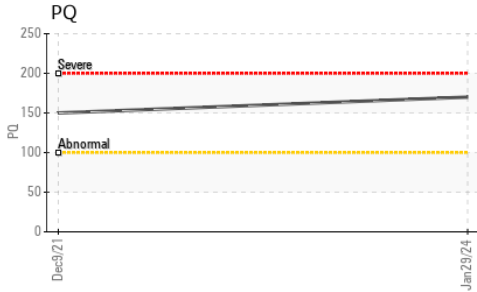
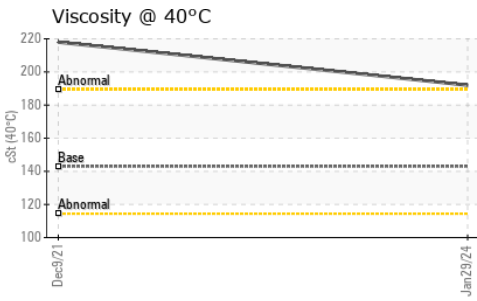
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	45	14	---
Potassium	ppm	ASTM D5185m	>20	3	2	---
Water		WC Method	>0.1	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	>0.1	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>170	3	6	---
Boron	ppm	ASTM D5185m	400	11	9	---
Barium	ppm	ASTM D5185m	200	0	3	---
Molybdenum	ppm	ASTM D5185m	12	93	<1	---
Manganese	ppm	ASTM D5185m		1	2	---
Magnesium	ppm	ASTM D5185m	12	3	2	---
Calcium	ppm	ASTM D5185m	150	35	97	---
Phosphorus	ppm	ASTM D5185m	1650	296	421	---
Zinc	ppm	ASTM D5185m	125	12	34	---
Sulfur	ppm	ASTM D5185m	22500	6196	4991	---
Visc @ 40°C	cSt	ASTM D445	143	192	218	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0203154 **Received** : 23 Feb 2024
Lab Number : 06099411 **Tested** : 27 Feb 2024
Unique Number : 10897641 **Diagnosed** : 27 Feb 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - MANASSAS PARK
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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.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)