



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
ATTENTION

Machine Id
BC-9
Component
Gearbox
Fluid
GEAR OIL SAE 80W90 (--- QTS)

RECOMMENDATION

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done.

WEAR

A decrease in the iron level is noted. All other component wear rates are normal.

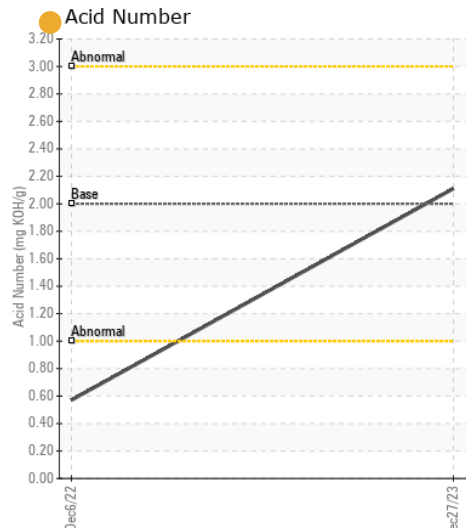
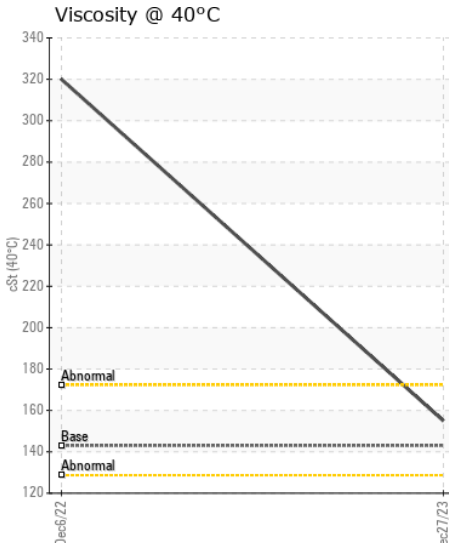
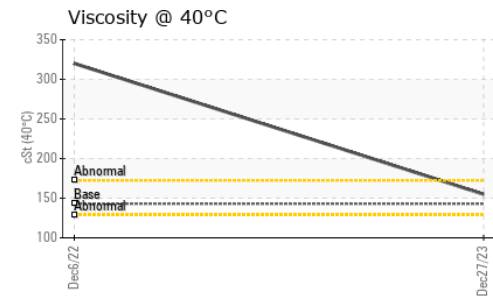
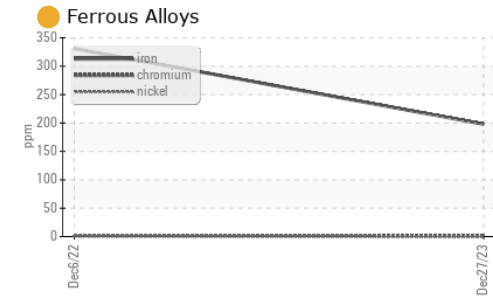
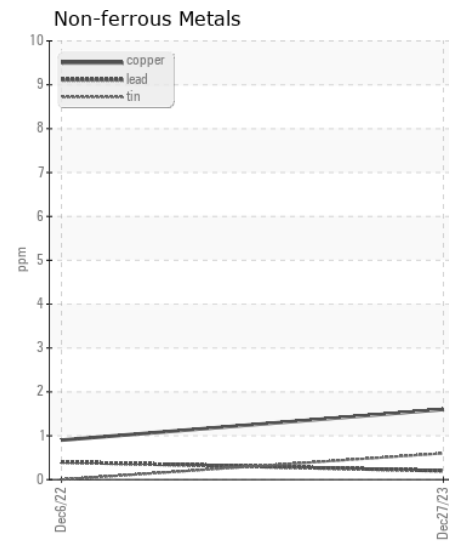
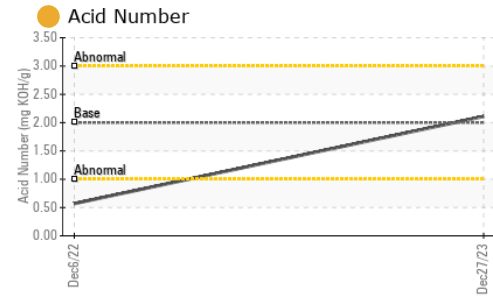
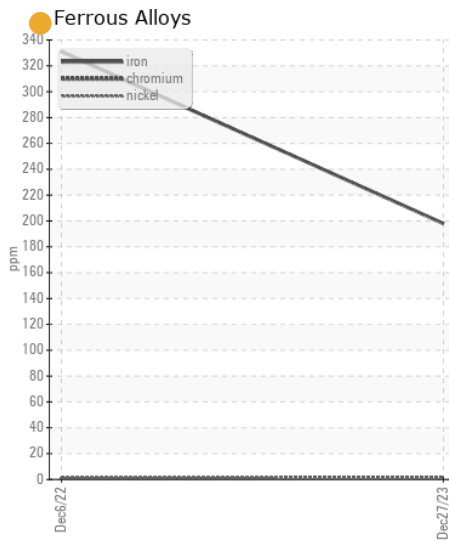
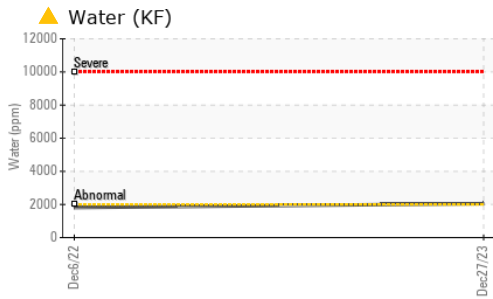
CONTAMINATION

There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil.

FLUID CONDITION

An increase in the AN level is noted. The oil is no longer serviceable.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		IB0000328	IB0000135	---
Sample Date		Client Info		27 Dec 2023	06 Dec 2022	---
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				ABNORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185m	>200	198	331	---
Chromium	ppm	ASTM D5185m	>15	1	2	---
Nickel	ppm	ASTM D5185m	>15	<1	1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		<1	<1	---
Aluminum	ppm	ASTM D5185m	>25	3	4	---
Lead	ppm	ASTM D5185m	>100	<1	<1	---
Copper	ppm	ASTM D5185m	>200	2	<1	---
Tin	ppm	ASTM D5185m	>25	<1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>50	30	74	---
Potassium	ppm	ASTM D5185m	>20	4	2	---
Water	%	ASTM D6304	>0.2	0.205	0.181	---
ppm Water	ppm	ASTM D6304	>2000	2050	1810	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	MODER	MODER	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	HAZY	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	0.2%	0.2%	---
Sodium	ppm	ASTM D5185m	>170	6	2	---
Boron	ppm	ASTM D5185m	400	30	<1	---
Barium	ppm	ASTM D5185m	200	14	0	---
Molybdenum	ppm	ASTM D5185m	12	0	<1	---
Manganese	ppm	ASTM D5185m		4	4	---
Magnesium	ppm	ASTM D5185m	12	11	2	---
Calcium	ppm	ASTM D5185m	150	28	14	---
Phosphorus	ppm	ASTM D5185m	1650	820	398	---
Zinc	ppm	ASTM D5185m	125	87	59	---
Sulfur	ppm	ASTM D5185m	22500	17479	2224	---
Acid Number (AN)	mg KOH/g	ASTM D8045	2.00	2.11	0.57	---
Visc @ 40°C	cSt	ASTM D445	143	155	320	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : IB0000328 **Received** : 02 Jan 2024
Lab Number : 06049048 **Tested** : 03 Jan 2024
Unique Number : 10809656 **Diagnosed** : 03 Jan 2024 - Angela Borella
Test Package : IND 2 (Additional Tests: KF)

BARTLETT GRAIN
 15 NE 60 AVE
 GREAT BEND, KS
 US 67530

Contact: ADAM HOFFMAN
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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)

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