



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
093106
Component
Swing Drive
Fluid
GEAR OIL SAE 80W90 (3 LTR)

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. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

WEAR

All component wear rates are normal.

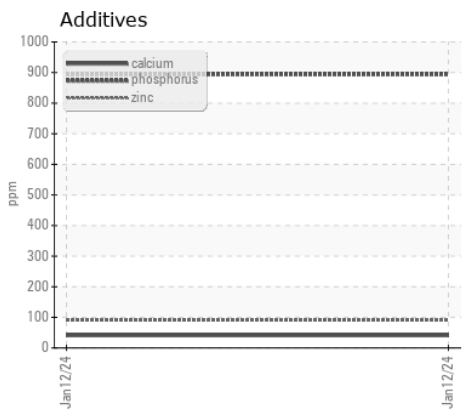
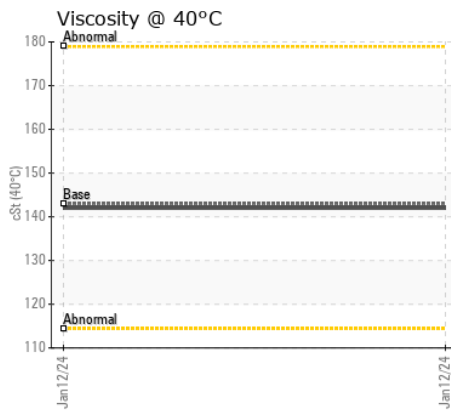
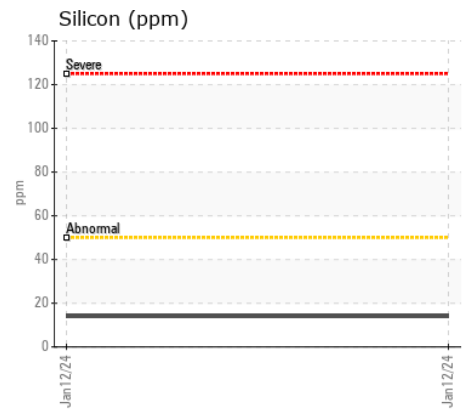
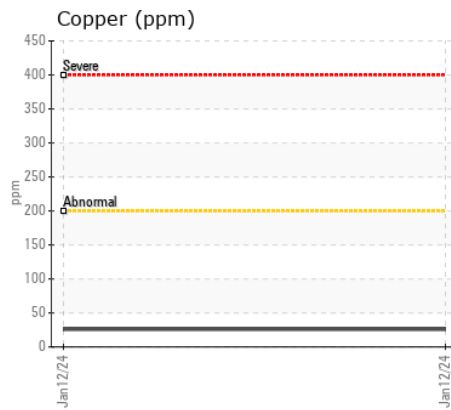
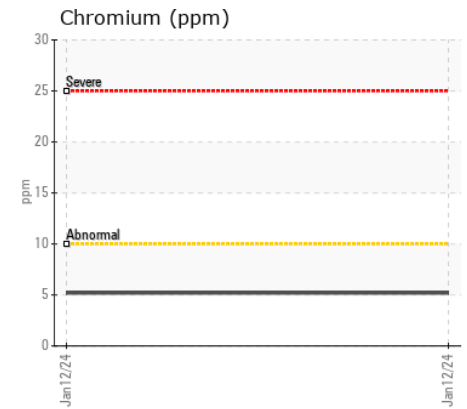
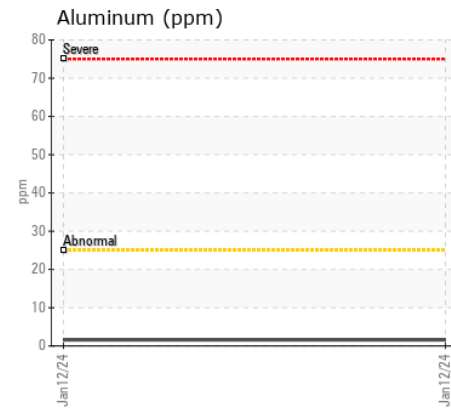
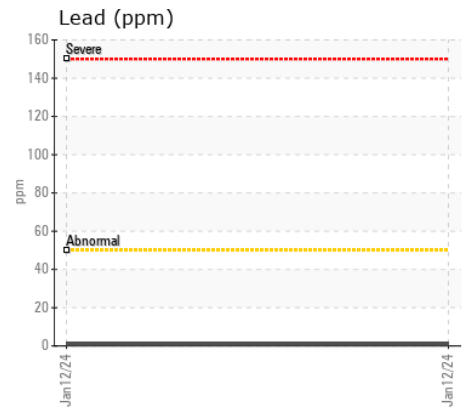
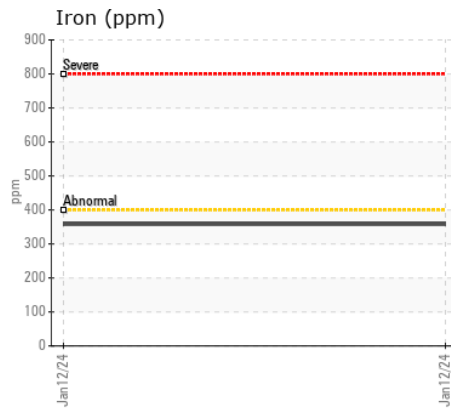
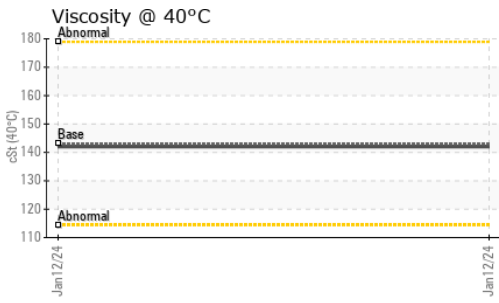
CONTAMINATION

There is a moderate concentration of water present in the oil. Free water present.

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		WC105096	---	---
Sample Date		Client Info		12 Jan 2024	---	---
Machine Age	hrs	Client Info		3093	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changed	---	---
Filter Changed		Client Info		Not Changed	---	---
Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185(m)	>400	358	---	---
Chromium	ppm	ASTM D5185(m)	>10	5	---	---
Nickel	ppm	ASTM D5185(m)	>10	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>25	2	---	---
Lead	ppm	ASTM D5185(m)	>50	1	---	---
Copper	ppm	ASTM D5185(m)	>200	26	---	---
Tin	ppm	ASTM D5185(m)	>10	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Silicon	ppm	ASTM D5185(m)	>50	14	---	---
Potassium	ppm	ASTM D5185(m)	>20	8	---	---
Water		WC Method	>0.2	NEG	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	▲ WGOIL	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.2	▲ .5%	---	---
Sodium	ppm	ASTM D5185(m)	>170	3	---	---
Boron	ppm	ASTM D5185(m)	400	30	---	---
Barium	ppm	ASTM D5185(m)	200	0	---	---
Molybdenum	ppm	ASTM D5185(m)	12	<1	---	---
Manganese	ppm	ASTM D5185(m)		4	---	---
Magnesium	ppm	ASTM D5185(m)	12	4	---	---
Calcium	ppm	ASTM D5185(m)	150	41	---	---
Phosphorus	ppm	ASTM D5185(m)	1650	894	---	---
Zinc	ppm	ASTM D5185(m)	125	90	---	---
Sulfur	ppm	ASTM D5185(m)	22500	17095	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	143	142	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC105096 **Received** : 16 Jan 2024
Lab Number : 02609052 **Diagnosed** : 16 Jan 2024
Unique Number : 5710138 **Diagnostician** : Kevin Marson
Test Package : MOB 1

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.