



# OIL ANALYSIS REPORT

WEAR  
CONTAMINATION  
FLUID CONDITION

**ATTENTION**  
**ABNORMAL**  
**NORMAL**

Machine Id  
**3966 - UNKNOWN LOCATION**

Component  
**Differential**

Fluid  
**GEAR OIL SAE 75W90 (--- GAL)**

## RECOMMENDATION

We advise that you check all areas where dirt can enter the system.  
We recommend an early resample to monitor this condition.

## WEAR

All component wear rates are normal.

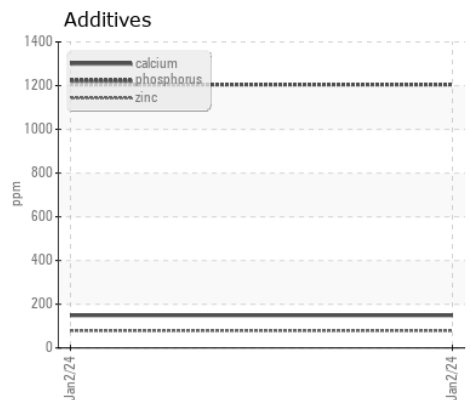
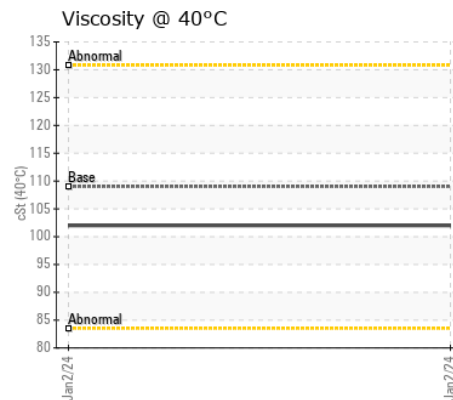
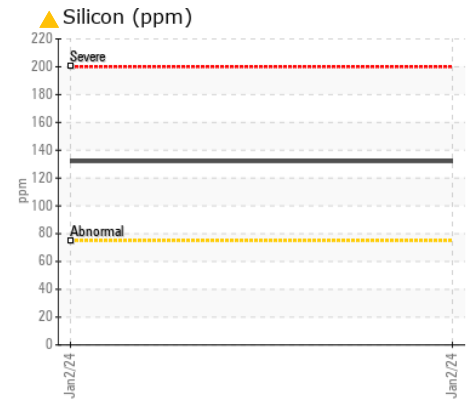
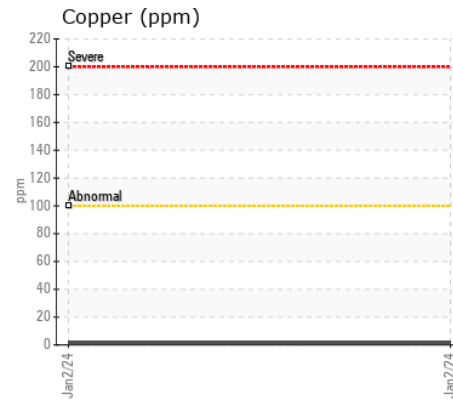
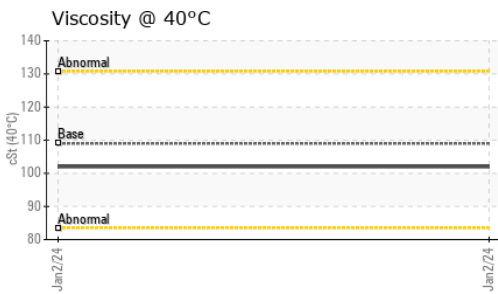
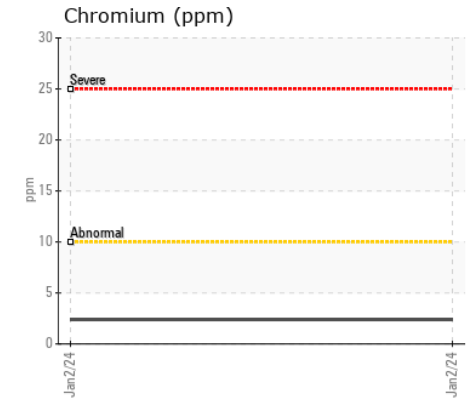
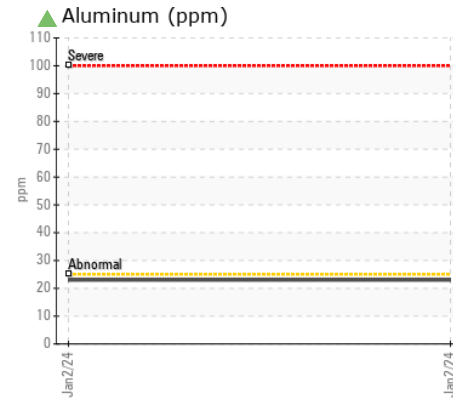
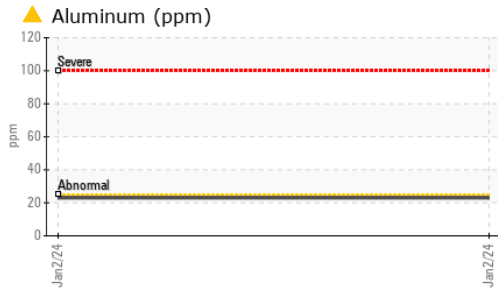
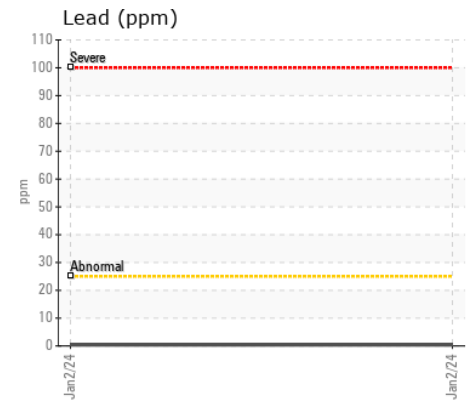
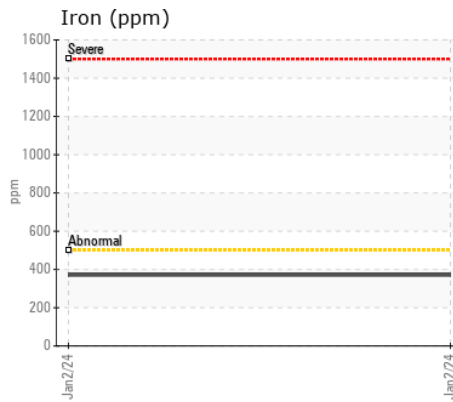
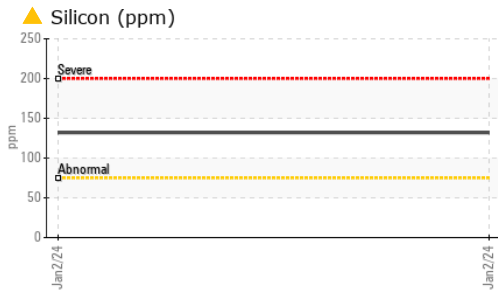
## CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

## 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		WC0650295	---	---
Sample Date		Client Info		02 Jan 2024	---	---
Machine Age	mls	Client Info		579470	---	---
Oil Age	mls	Client Info		0	---	---
Filter Age	mls	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185m	>500	371	---	---
Chromium	ppm	ASTM D5185m	>10	2	---	---
Nickel	ppm	ASTM D5185m	>10	1	---	---
Titanium	ppm	ASTM D5185m		1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>25	▲ 23	---	---
Lead	ppm	ASTM D5185m	>25	<1	---	---
Copper	ppm	ASTM D5185m	>100	2	---	---
Tin	ppm	ASTM D5185m	>10	<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>75	▲ 132	---	---
Potassium	ppm	ASTM D5185m	>20	10	---	---
Water		WC Method	>.2	NEG	---	---
Silt	scalar	*Visual	NONE	MODER	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>.2	NEG	---	---
Sodium	ppm	ASTM D5185m		4	---	---
Boron	ppm	ASTM D5185m	400	275	---	---
Barium	ppm	ASTM D5185m	200	0	---	---
Molybdenum	ppm	ASTM D5185m	12	6	---	---
Manganese	ppm	ASTM D5185m		6	---	---
Magnesium	ppm	ASTM D5185m	12	51	---	---
Calcium	ppm	ASTM D5185m	150	149	---	---
Phosphorus	ppm	ASTM D5185m	1650	1205	---	---
Zinc	ppm	ASTM D5185m	125	79	---	---
Sulfur	ppm	ASTM D5185m	22500	23889	---	---
Visc @ 40°C	cSt	ASTM D445	109	102	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0650295 **Received** : 08 Jan 2024  
**Lab Number** : 06055093 **Diagnosed** : 11 Jan 2024  
**Unique Number** : 10821042 **Diagnostician** : Doug Bogart  
**Test Package** : MOB 1

**LTI/MILKY WAY - SUNNYSIDE**  
 333 MIDVALE RD  
 SUNNYSIDE, WA  
 US 98944  
 Contact: JERRY CRISP  
 jcrisp@ltii.lynden.com  
 T: (509)839-5844  
 F: (509)839-6556

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)