



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**2024 BATCH**  
 Component  
**Reference New (Unused) Oil**  
 Fluid  
**EP 100 (--- GAL)**

## RECOMMENDATION

This is the baseline readout on this new (unused) oil. The fluid is suitable for service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PP	---	---
Sample Date		Client Info		05 May 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

## WEAR

{not applicable}

Iron	ppm	ASTM D5185(m)		0	---	---
Chromium	ppm	ASTM D5185(m)		0	---	---
Nickel	ppm	ASTM D5185(m)		0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)		0	---	---
Lead	ppm	ASTM D5185(m)		0	---	---
Copper	ppm	ASTM D5185(m)		0	---	---
Tin	ppm	ASTM D5185(m)		0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

## CONTAMINATION

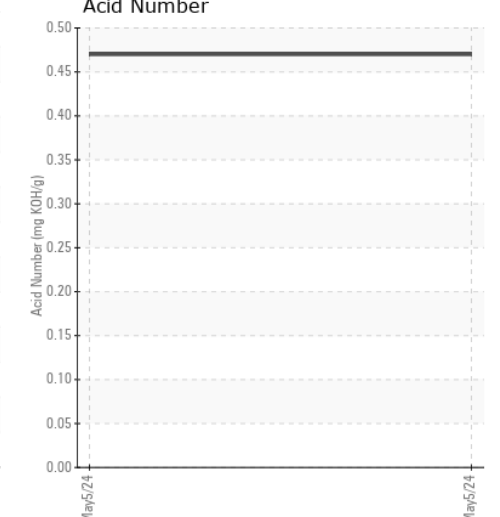
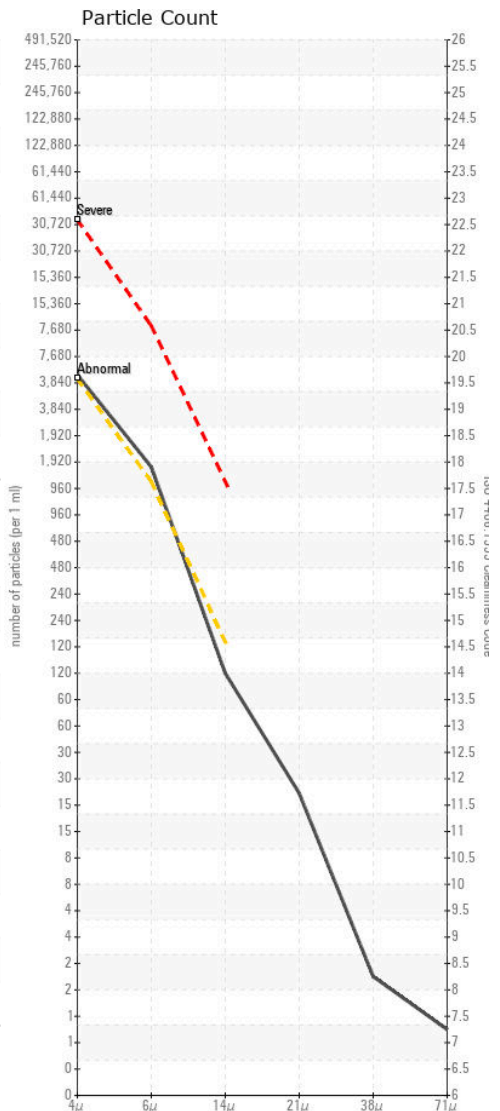
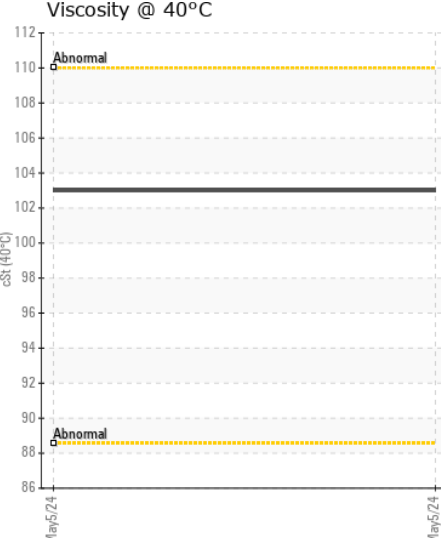
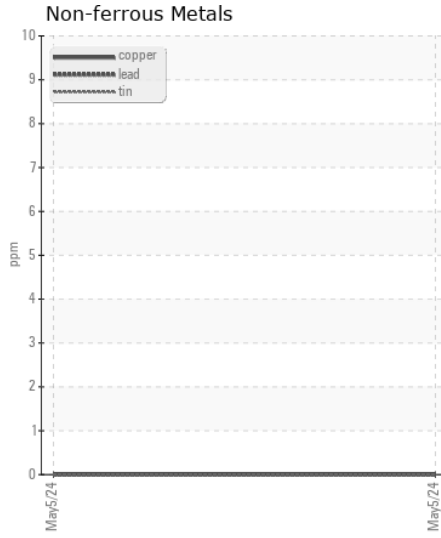
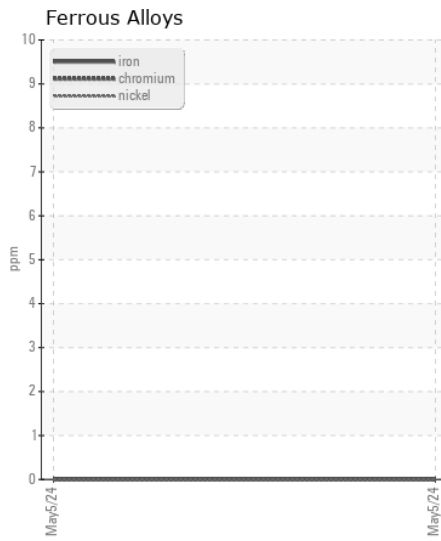
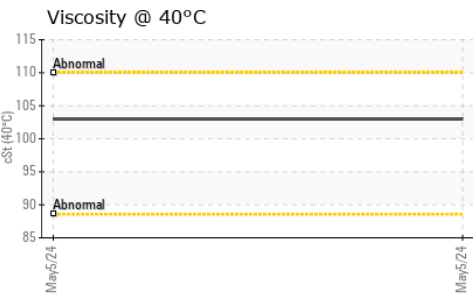
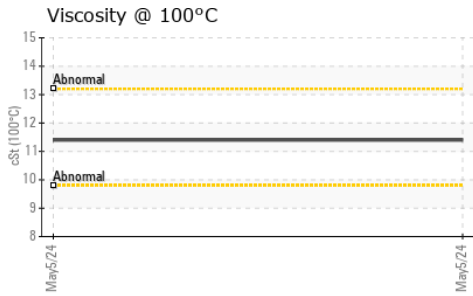
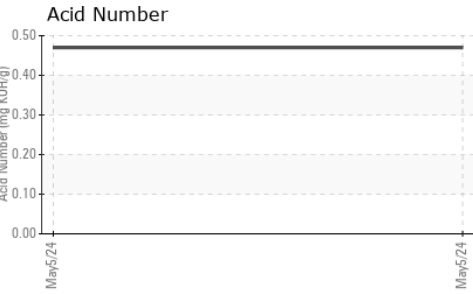
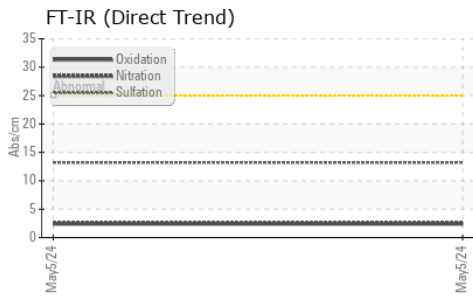
There is no indication of any contamination in the new (unused) oil.

Silicon	ppm	ASTM D5185(m)		0	---	---
Potassium	ppm	ASTM D5185(m)	>20	0	---	---
Water		WC Method		NEG	---	---
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*		2.6	---	---
Sulfation	Abs/.1mm	ASTM D7415*		13.2	---	---
Particles >4µm		ASTM D7647	>5000	5268	---	---
Particles >6µm		ASTM D7647	>1300	1577	---	---
Particles >14µm		ASTM D7647	>160	106	---	---
Particles >21µm		ASTM D7647	>40	22	---	---
Particles >38µm		ASTM D7647	>10	2	---	---
Particles >71µm		ASTM D7647	>3	1	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/18/14	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
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*		NEG	---	---

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for service.

Sodium	ppm	ASTM D5185(m)		0	---	---
Boron	ppm	ASTM D5185(m)		<1	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		0	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)		<1	---	---
Calcium	ppm	ASTM D5185(m)		11	---	---
Phosphorus	ppm	ASTM D5185(m)		157	---	---
Zinc	ppm	ASTM D5185(m)		13	---	---
Sulfur	ppm	ASTM D5185(m)		5538	---	---
Oxidation	Abs/.1mm	ASTM D7414*		2.4	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*		0.47	---	---
Visc @ 40°C	cSt	ASTM D7279(m)		103	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		11.4	---	---
Viscosity Index (VI)	Scale	ASTM D2270*		96	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PP **Received** : 06 May 2024  
**Lab Number** : 02633657 **Tested** : 07 May 2024  
**Unique Number** : 5774810 **Diagnosed** : 07 May 2024 - Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, TAN MarCon)

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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.