

# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
[450289084]  
Machine Id  
**IH-65203**  
Component  
**Unknown Component**  
Fluid  
**{not provided} (--- GAL)**



## DIAGNOSIS

**Recommendation**  
Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample. Please provide more complete information on your next sample.

**Wear**  
All component wear rates are normal.

**Contamination**  
There is no indication of any contamination in the sample.

**Fluid Condition**  
The condition of the sample is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PC</b>	---	---
Sample Date	Client Info		<b>15 Mar 2024</b>	---	---
Machine Age	hrs Client Info		<b>0</b>	---	---
Oil Age	hrs Client Info		<b>0</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method		<b>NEG</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		<b>0</b>	---	---
Iron	ppm ASTM D5185(m)		<b>2</b>	---	---
Chromium	ppm ASTM D5185(m)		<b>0</b>	---	---
Nickel	ppm ASTM D5185(m)		<b>0</b>	---	---
Titanium	ppm ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm ASTM D5185(m)		<b>0</b>	---	---
Aluminum	ppm ASTM D5185(m)		<b>0</b>	---	---
Lead	ppm ASTM D5185(m)		<b>0</b>	---	---
Copper	ppm ASTM D5185(m)		<b>3</b>	---	---
Tin	ppm ASTM D5185(m)		<b>0</b>	---	---
Antimony	ppm ASTM D5185(m)		<b>0</b>	---	---
Vanadium	ppm ASTM D5185(m)		<b>0</b>	---	---
Beryllium	ppm ASTM D5185(m)		<b>0</b>	---	---
Cadmium	ppm ASTM D5185(m)		<b>0</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Barium	ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Molybdenum	ppm ASTM D5185(m)		<b>0</b>	---	---
Manganese	ppm ASTM D5185(m)		<b>0</b>	---	---
Magnesium	ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Calcium	ppm ASTM D5185(m)		<b>3</b>	---	---
Phosphorus	ppm ASTM D5185(m)		<b>311</b>	---	---
Zinc	ppm ASTM D5185(m)		<b>38</b>	---	---
Sulfur	ppm ASTM D5185(m)		<b>3011</b>	---	---
Lithium	ppm ASTM D5185(m)		<b>&lt;1</b>	---	---

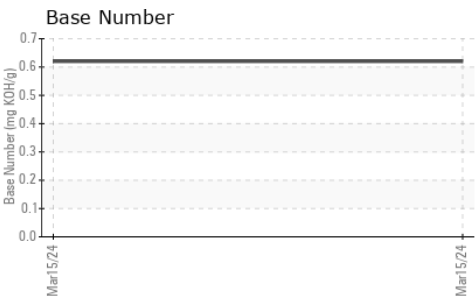
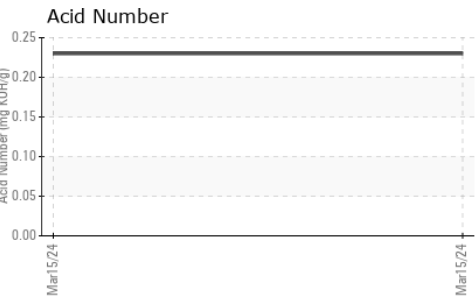
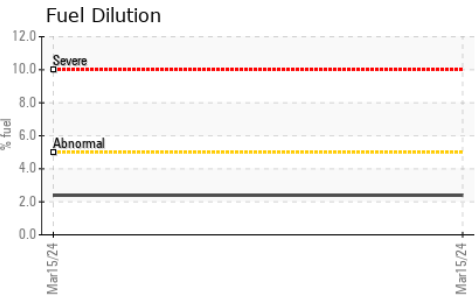
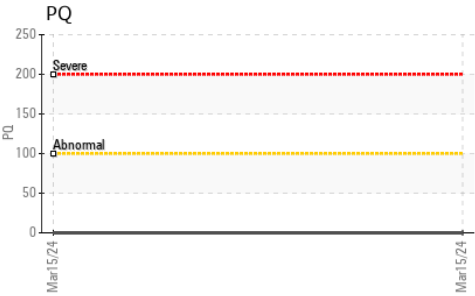
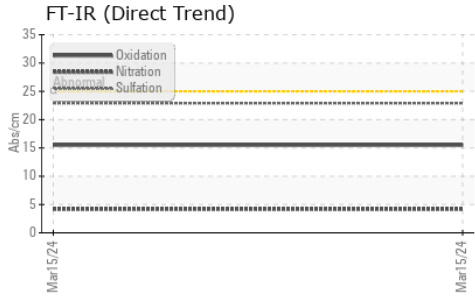
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m)		<b>0</b>	---	---
Sodium	ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Potassium	ppm ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Fuel	% ASTM D7593*		<b>2.4</b>	---	---

## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	% ASTM D7844*		<b>0</b>	---	---
Nitration	Abs/cm ASTM D7624*		<b>4.2</b>	---	---
Sulfation	Abs.1mm ASTM D7415*		<b>22.9</b>	---	---



# OIL ANALYSIS REPORT



FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*		<b>15.5</b>	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*		<b>0.23</b>	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		<b>0.62</b>	---	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	Visual*		<b>NEG</b>	---	---
Free Water	scalar	Visual*		<b>NEG</b>	---	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)		<b>42.4</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		<b>7.1</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270*		<b>128</b>	---	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC  
**Lab Number** : 02625942  
**Unique Number** : 5759074  
**Test Package** : MAR 2 ( Additional Tests: FT-IR, FuelDilution, KV100, PercentFuel, TAN Man, TBN, VCO)

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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.