



# OIL ANALYSIS REPORT

Sample Rating Trend



**WEAR**



Area

**PORT DE QUEBEC [E22022024L]**

Machine Id

**WAINBEE OTH-1258793 EST-B0015-RES-0001**

Component

**Pre-Flush Hydraulic System**

Fluid

**TRIBOSPEC BIOSPEC HD 32 (--- LTR)**

## DIAGNOSIS

### ▲ Recommendation

Il s'agit du relevé de base de l'échantillon soumis.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>WC</b>	---	---
Sample Date	Client Info	<b>04 Jul 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>ABNORMAL</b>	---	---

## CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	<b>NEG</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	<b>0</b>	---	---
Iron	ppm ASTM D5185(m) >20	<b>▲ 30</b>	---	---
Chromium	ppm ASTM D5185(m) >10	<b>▲ 19</b>	---	---
Nickel	ppm ASTM D5185(m) >10	<b>&lt;1</b>	---	---
Titanium	ppm ASTM D5185(m)	<b>0</b>	---	---
Silver	ppm ASTM D5185(m)	<b>0</b>	---	---
Aluminum	ppm ASTM D5185(m) >10	<b>0</b>	---	---
Lead	ppm ASTM D5185(m) >10	<b>0</b>	---	---
Copper	ppm ASTM D5185(m) >75	<b>3</b>	---	---
Tin	ppm ASTM D5185(m) >10	<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

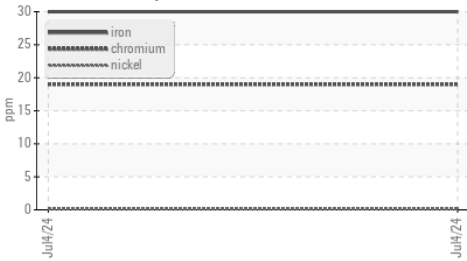
method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	<b>&lt;1</b>	---	---
Barium	ppm ASTM D5185(m)	<b>&lt;1</b>	---	---
Molybdenum	ppm ASTM D5185(m)	<b>0</b>	---	---
Manganese	ppm ASTM D5185(m)	<b>&lt;1</b>	---	---
Magnesium	ppm ASTM D5185(m)	<b>&lt;1</b>	---	---
Calcium	ppm ASTM D5185(m)	<b>3</b>	---	---
Phosphorus	ppm ASTM D5185(m)	<b>596</b>	---	---
Zinc	ppm ASTM D5185(m)	<b>17</b>	---	---
Sulfur	ppm ASTM D5185(m)	<b>1347</b>	---	---
Lithium	ppm ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

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

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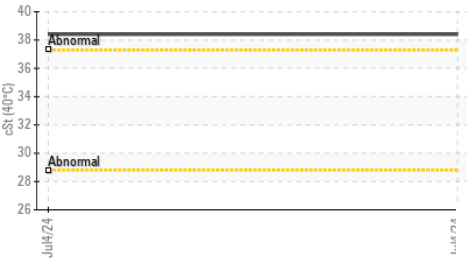
### ▲ Ferrous Alloys



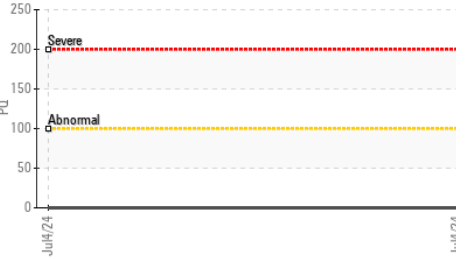
### Viscosity @ 100°C



### Viscosity @ 40°C



### PQ



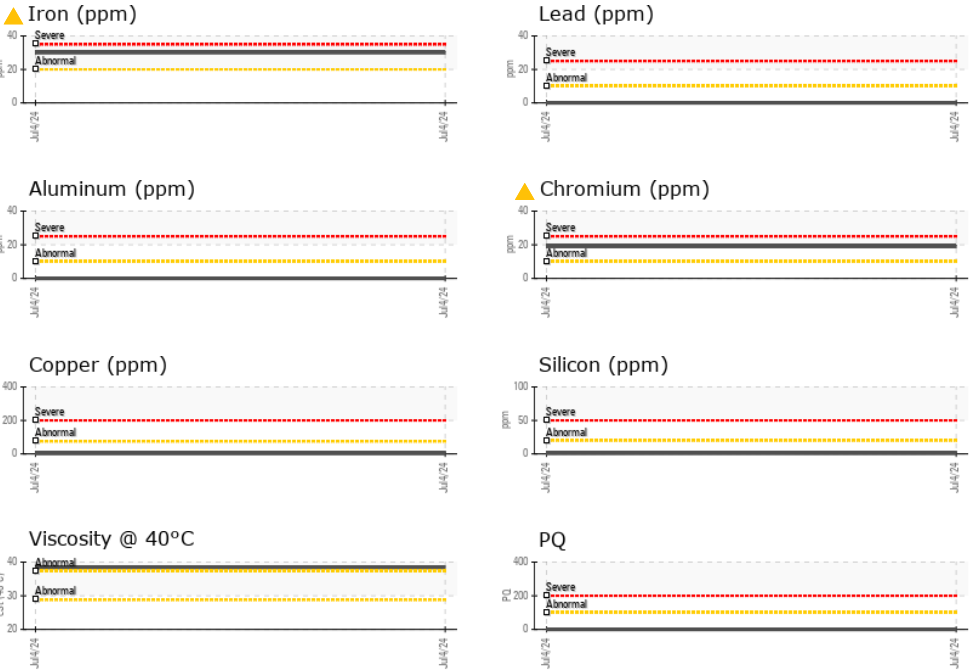
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	38.4	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	8.2	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	195	---	---

### SAMPLE IMAGES

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

### GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC **Received** : 05 Jul 2024  
**Lab Number** : 02645921 **Tested** : 05 Jul 2024  
**Unique Number** : 5811473 **Diagnosed** : 11 Jul 2024 - Bill Quesnel  
**Test Package** : MOB 1 ( Additional Tests: KV100, KV40, PQ, Spat, VI )

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.

**Envirolin Canada**  
 520 rue Adanac  
 Quebec, QC  
 CA G1C 7B7  
 Contact: Patrick Levesque  
 patrick.levesque@envirolin.com  
 T: (418)623-1216  
 F: (418)660-8889