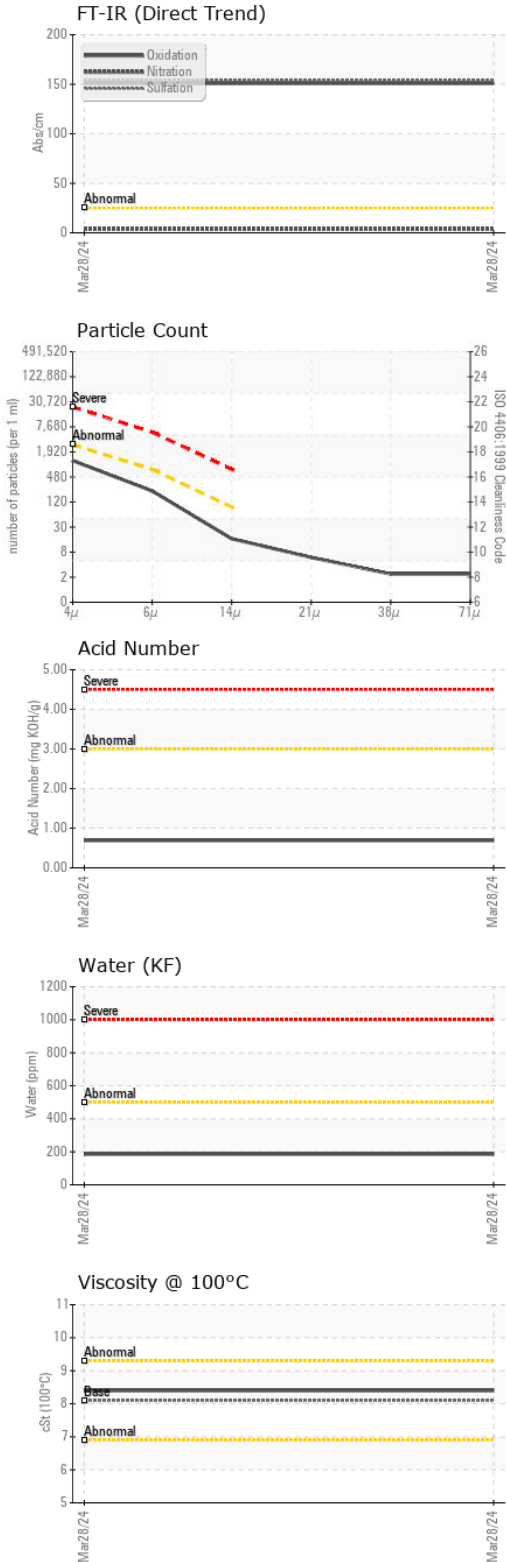






# OIL ANALYSIS REPORT



FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	<b>1041</b>	---	---
Particles >6µm	ASTM D7647	>640	<b>195</b>	---	---
Particles >14µm	ASTM D7647	>80	<b>14</b>	---	---
Particles >21µm	ASTM D7647	>20	<b>5</b>	---	---
Particles >38µm	ASTM D7647	>4	<b>2</b>	---	---
Particles >71µm	ASTM D7647	>3	<b>2</b>	---	---
Oil Cleanliness	ISO 4406 (c)	>18/16/13	<b>17/15/11</b>	---	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	<b>150.9</b>	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*	<b>0.69</b>	---	---

VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	<b>NONE</b>	---	---
Precipitate	scalar	Visual*	<b>NONE</b>	---	---
Silt	scalar	Visual*	<b>NONE</b>	---	---
Debris	scalar	Visual*	<b>NONE</b>	---	---
Sand/Dirt	scalar	Visual*	<b>NONE</b>	---	---
Appearance	scalar	Visual*	<b>NORML</b>	---	---
Odor	scalar	Visual*	<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)	47.0	<b>46.9</b>	---
Visc @ 100°C	cSt	ASTM D7279(m)	8.1	<b>8.4</b>	---
Viscosity Index (VI)	Scale	ASTM D2270*	146	<b>156</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.** : WC  
**Lab Number** : 02626281  
**Unique Number** : 5759413  
**Test Package** : MOB 2 ( Additional Tests: TAN Man )  
**Received** : 02 Apr 2024  
**Tested** : 03 Apr 2024  
**Diagnosed** : 04 Apr 2024 - Bill Quesnel

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



# MINERAL OIL CONTENT REPORT

PASS



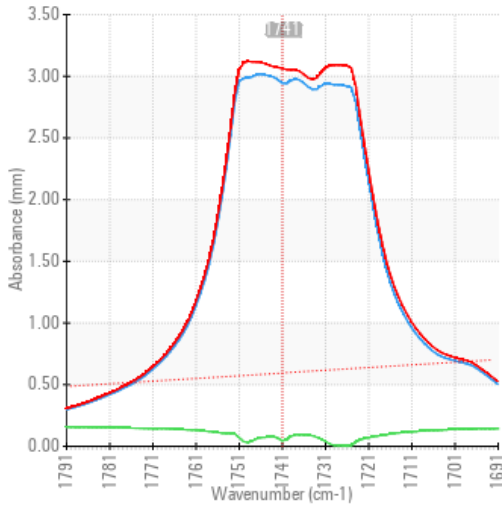
Area  
**TOROMONT CAT [02626280]**  
 Machine Id  
**CATERPILLAR 325 TEL40041**  
 Component  
**Hydraulic System**  
 Fluid  
**PANOLIN HLP SYNTH 46 (--- LTR)**



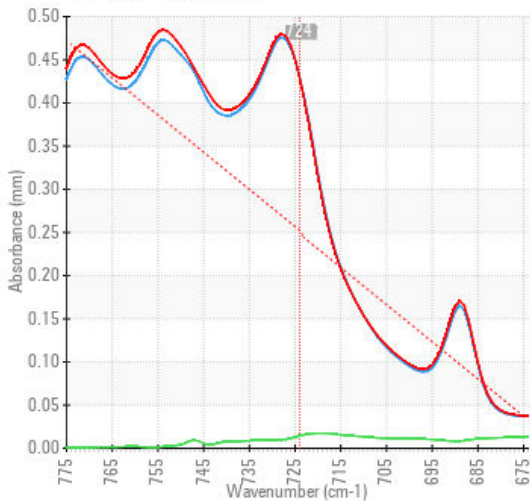
## SPECTRAL ANALYSIS

		method	limit/base	current	history1	history2
Zinc	ppm	ASTM D5185(m)	0	<b>35</b>	---	---
Mineral Oil Content	%	ASTM D7418*	<5.0%	<b>&lt;5.0</b>	---	---

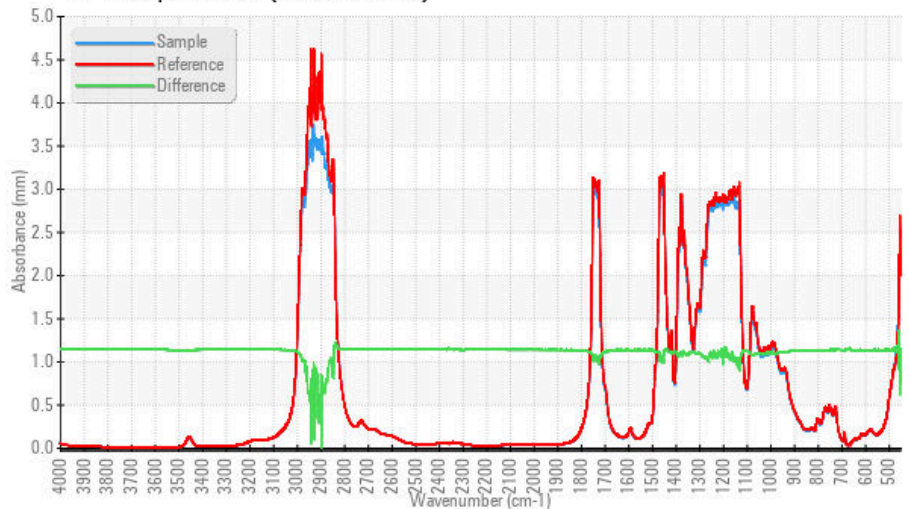
### FT-IR - Esters I



### FT-IR - Esters II



### FT-IR Spectrum (Absorbance)



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC  
**Lab Number** : 02626281  
**Unique Number** : 5759413  
**Test Package** : MOB 2 ( Additional Tests: TAN Man )  
**Received** : 02 Apr 2024  
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