



# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**ENVIROLIN CANADA [EWC0922705]**

Machine Id

**NO UNIT WC0922705**

Component

**Hydraulic System**

Fluid

**PETRO CANADA HYDREX MV 22 (--- GAL)**

## DIAGNOSIS

### Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Veuillez préciser la marque et le modèle du composant lors du prochain échantillon.

### Wear

Les taux d'usure de tous les composants sont normaux.

### Contamination

La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La propreté du système et du fluide est acceptable.

### Fluid Condition

Le AN est acceptable pour ce fluide. L'état de l'huile permet d'en prolonger l'utilisation.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>WC0922705</b>	---	---
Sample Date	Client Info	<b>07 Jun 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>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185(m)	>20	<b>0</b>	---	---
Chromium ppm ASTM D5185(m)	>10	<b>0</b>	---	---
Nickel ppm ASTM D5185(m)	>10	<b>0</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>0</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)	0	<b>&lt;1</b>	---	---
Barium ppm ASTM D5185(m)	0	<b>0</b>	---	---
Molybdenum ppm ASTM D5185(m)	0	<b>0</b>	---	---
Manganese ppm ASTM D5185(m)	1	<b>0</b>	---	---
Magnesium ppm ASTM D5185(m)	0	<b>0</b>	---	---
Calcium ppm ASTM D5185(m)	50	<b>52</b>	---	---
Phosphorus ppm ASTM D5185(m)	330	<b>329</b>	---	---
Zinc ppm ASTM D5185(m)	430	<b>434</b>	---	---
Sulfur ppm ASTM D5185(m)	760	<b>758</b>	---	---
Lithium ppm ASTM D5185(m)		<b>&lt;1</b>	---	---

## CONTAMINANTS

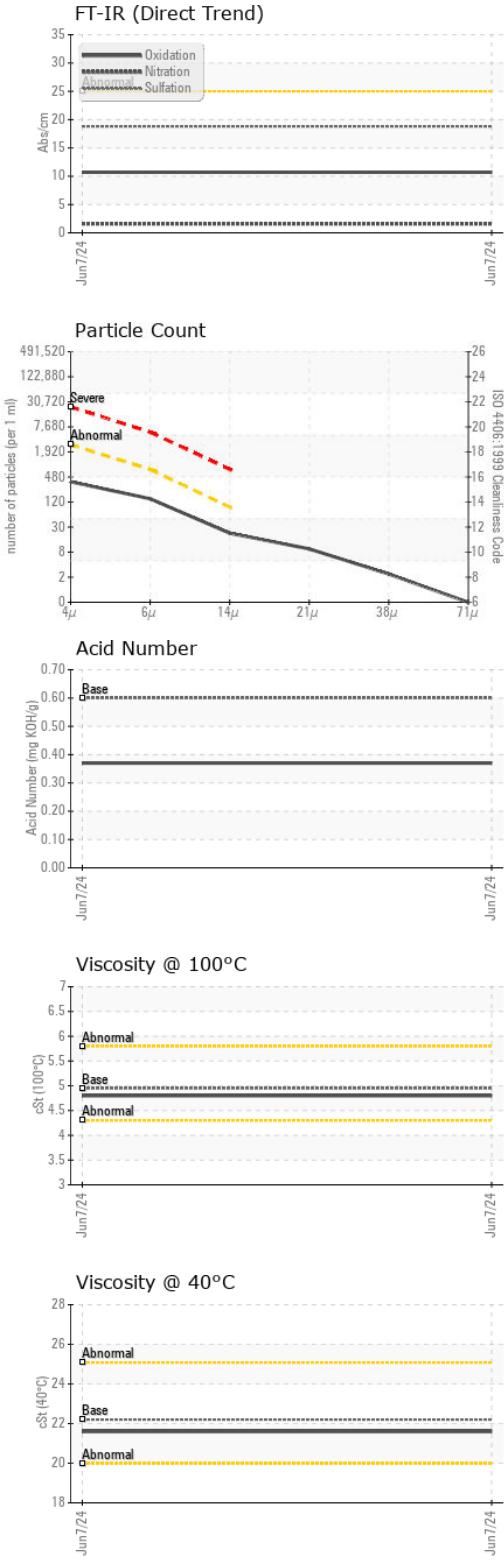
method	limit/base	current	history1	history2
Silicon ppm ASTM D5185(m)	>20	<b>0</b>	---	---
Sodium ppm ASTM D5185(m)		<b>0</b>	---	---
Potassium ppm ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Water % ASTM D6304*	>0.1	<b>NEG</b>	---	---

## INFRA-RED

method	limit/base	current	history1	history2
Soot % ASTM D7844*		<b>0</b>	---	---
Nitration Abs/cm ASTM D7624*		<b>1.6</b>	---	---
Sulfation Abs/.1mm ASTM D7415*		<b>18.8</b>	---	---



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FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	<b>324</b>	---	---
Particles >6µm	ASTM D7647	>640	<b>127</b>	---	---
Particles >14µm	ASTM D7647	>80	<b>19</b>	---	---
Particles >21µm	ASTM D7647	>20	<b>8</b>	---	---
Particles >38µm	ASTM D7647	>4	<b>2</b>	---	---
Particles >71µm	ASTM D7647	>3	<b>0</b>	---	---
Oil Cleanliness	ISO 4406 (c)	>18/16/13	<b>16/14/11</b>	---	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	<b>10.7</b>	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*	<b>0.37</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>	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	<b>21.6</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	<b>4.8</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	<b>149</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.** : WC0922705 **Received** : 10 Jun 2024  
**Lab Number** : **02640946** **Tested** : 11 Jun 2024  
**Unique Number** : 5798485 **Diagnosed** : 11 Jun 2024 - Kevin Marson  
**Test Package** : MOB 2 ( Additional Tests: TAN Man )

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.

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