



OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

TOTE2/5 SAMPLE2

Component

Hydraulic System

Fluid

PETRO CANADA HYDREX MV 22 (1000 LTR)

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 teneur en eau est négligeable. 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	WC0922711	---	---
Sample Date	Client Info	14 Jun 2024	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		NORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185(m) >20	0	---	---
Chromium ppm	ASTM D5185(m) >10	0	---	---
Nickel ppm	ASTM D5185(m) >10	<1	---	---
Titanium ppm	ASTM D5185(m)	0	---	---
Silver ppm	ASTM D5185(m)	<1	---	---
Aluminum ppm	ASTM D5185(m) >10	<1	---	---
Lead ppm	ASTM D5185(m) >10	0	---	---
Copper ppm	ASTM D5185(m) >75	<1	---	---
Tin ppm	ASTM D5185(m) >10	0	---	---
Antimony ppm	ASTM D5185(m)	0	---	---
Vanadium ppm	ASTM D5185(m)	0	---	---
Beryllium ppm	ASTM D5185(m)	0	---	---
Cadmium ppm	ASTM D5185(m)	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185(m) 0	<1	---	---
Barium ppm	ASTM D5185(m) 0	0	---	---
Molybdenum ppm	ASTM D5185(m) 0	0	---	---
Manganese ppm	ASTM D5185(m) 1	0	---	---
Magnesium ppm	ASTM D5185(m) 0	0	---	---
Calcium ppm	ASTM D5185(m) 50	52	---	---
Phosphorus ppm	ASTM D5185(m) 330	322	---	---
Zinc ppm	ASTM D5185(m) 430	416	---	---
Sulfur ppm	ASTM D5185(m) 760	746	---	---
Lithium ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS

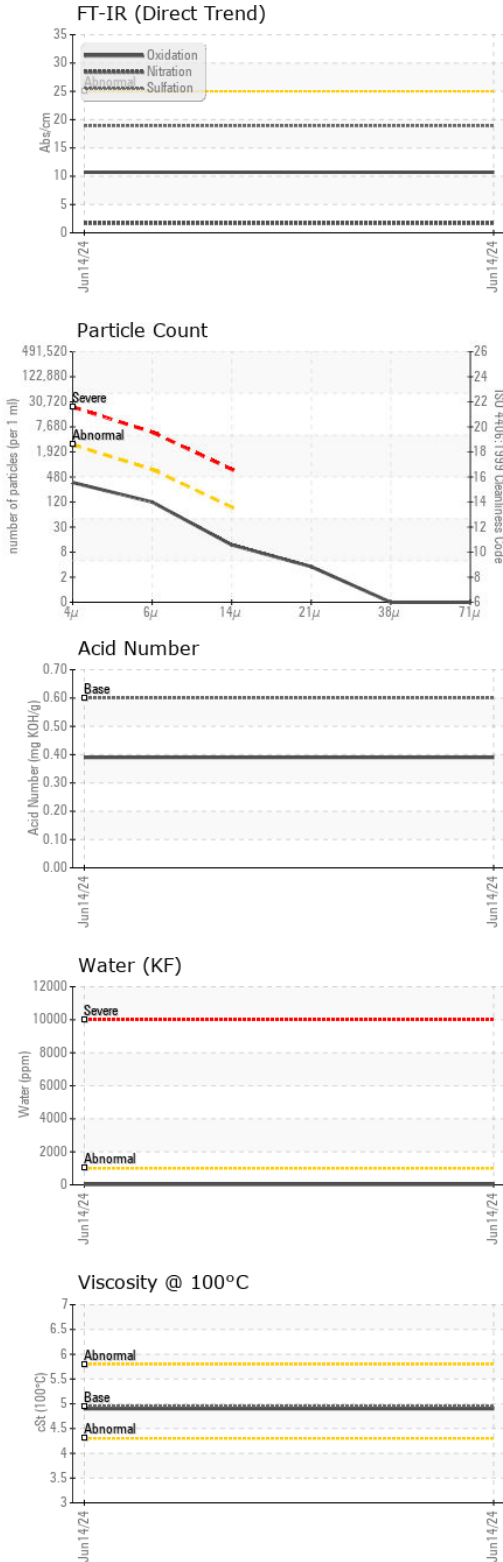
method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185(m) >20	0	---	---
Sodium ppm	ASTM D5185(m)	0	---	---
Potassium ppm	ASTM D5185(m) >20	<1	---	---
Water %	ASTM D6304* >0.1	0.002	---	---
ppm Water	ASTM D6304* >1000	24	---	---

INFRA-RED

method	limit/base	current	history1	history2
Soot %	ASTM D7844*	0	---	---
Nitration Abs/cm	ASTM D7624*	1.7	---	---
Sulfation Abs/.1mm	ASTM D7415*	18.9	---	---



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FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	311	---	---
Particles >6µm	ASTM D7647	>640	106	---	---
Particles >14µm	ASTM D7647	>80	10	---	---
Particles >21µm	ASTM D7647	>20	3	---	---
Particles >38µm	ASTM D7647	>4	0	---	---
Particles >71µm	ASTM D7647	>3	0	---	---
Oil Cleanliness	ISO 4406 (c)	>18/16/13	15/14/10	---	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	10.7	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.39	---	---

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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	21.9	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	4.9	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	154	---	---

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. : WC0922711 **Received** : 17 Jun 2024
Lab Number : **02642334** **Tested** : 18 Jun 2024
Unique Number : 5799873 **Diagnosed** : 18 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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