



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
600501
Component
Hydraulic System

Fluid
PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL (50 LTR)

RECOMMENDATION

Vérifier les scelles et/ou les filtres pour des points d'entrée des contaminants. Le reniflard d'air doit être réparé. S'il n'est pas classé, nous vous recommandons de le remplacer par un reniflard à air adapté au micron et / ou au dessiccant. Si évalué, nous vous recommandons de réparer / remplacer le reniflard. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0062568	PC0084187	---
Sample Date		Client Info		29 Mar 2024	22 Nov 2023	---
Machine Age	hrs	Client Info		9249	4276	---
Oil Age	hrs	Client Info		9249	4276	---
Filter Age	hrs	Client Info		0	4276	---
Oil Changed		Client Info		Not Chngd	Not Chngd	---
Filter Changed		Client Info		Not Chngd	Not Chngd	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

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

Iron	ppm	ASTM D5185(m)	>20	<1	<1	---
Chromium	ppm	ASTM D5185(m)	>20	0	0	---
Nickel	ppm	ASTM D5185(m)	>20	0	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	0	0	---
Lead	ppm	ASTM D5185(m)	>20	0	<1	---
Copper	ppm	ASTM D5185(m)	>20	<1	1	---
Tin	ppm	ASTM D5185(m)	>20	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

Le niveau élémentaire de silicone (Si) est supérieur à la normale, ce qui indique une infiltration de matériau d'étanchéité.

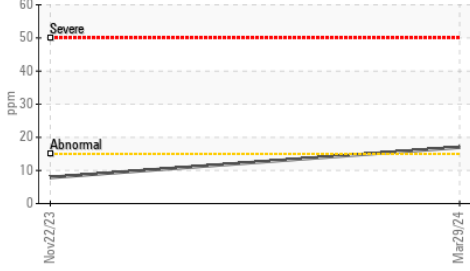
Silicon	ppm	ASTM D5185(m)	>15	▲ 17	8	---
Potassium	ppm	ASTM D5185(m)	>20	<1	0	---
Water		WC Method	>0.05	NEG	NEG	---
Particles >4µm		ASTM D7647	>5000	1325	1167	---
Particles >6µm		ASTM D7647	>1300	276	287	---
Particles >14µm		ASTM D7647	>160	43	40	---
Particles >21µm		ASTM D7647	>40	16	12	---
Particles >38µm		ASTM D7647	>10	2	1	---
Particles >71µm		ASTM D7647	>3	1	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/15/13	17/15/12	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	VLITE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	▲ WGOIL	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.05	NEG	NEG	---

FLUID CONDITION

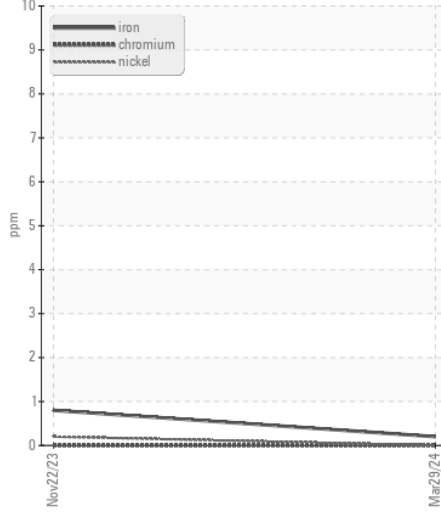
Le AN est acceptable pour ce fluide. l'huile peut encore servir si la contamination peut être réduite à un niveau acceptable.

Sodium	ppm	ASTM D5185(m)		0	<1	---
Boron	ppm	ASTM D5185(m)	0	0	<1	---
Barium	ppm	ASTM D5185(m)	0	0	<1	---
Molybdenum	ppm	ASTM D5185(m)	0	0	0	---
Manganese	ppm	ASTM D5185(m)	1	0	0	---
Magnesium	ppm	ASTM D5185(m)	0	<1	0	---
Calcium	ppm	ASTM D5185(m)	100	99	82	---
Phosphorus	ppm	ASTM D5185(m)	670	616	466	---
Zinc	ppm	ASTM D5185(m)	850	819	663	---
Sulfur	ppm	ASTM D5185(m)	1600	1550	1515	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.60	0.91	0.70	---
Visc @ 40°C	cSt	ASTM D7279(m)	47.9	47.1	46.3	---
Visc @ 100°C	cSt	ASTM D7279(m)	9.67	9.2	▲ 8.1	---
Viscosity Index (VI)	Scale	ASTM D2270*	192	181	148	---

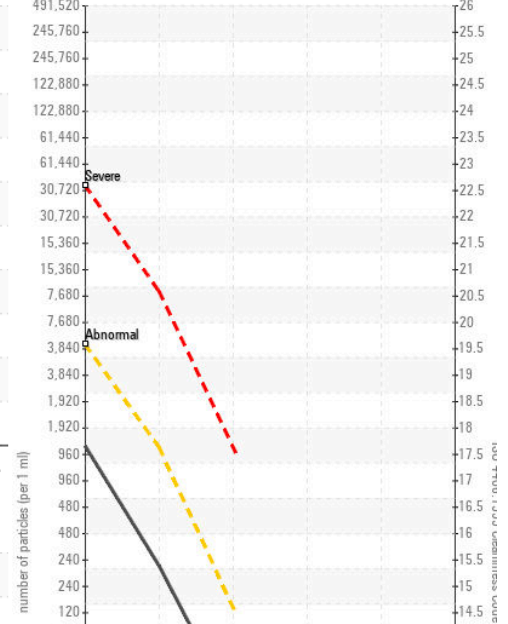
▲ Silicon (ppm)



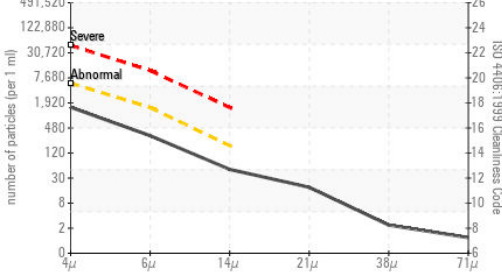
Ferrous Alloys



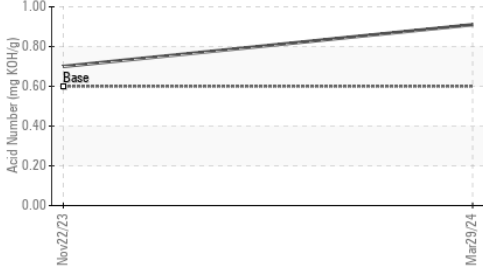
Particle Count



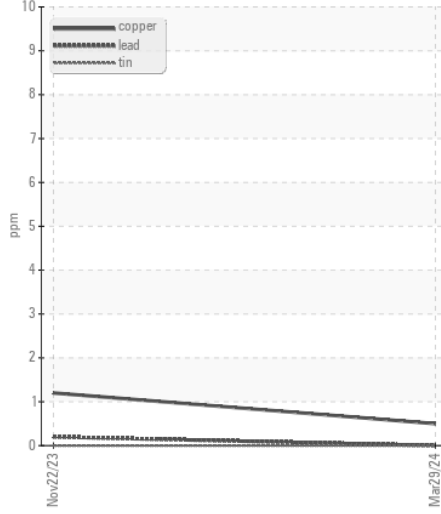
Particle Count



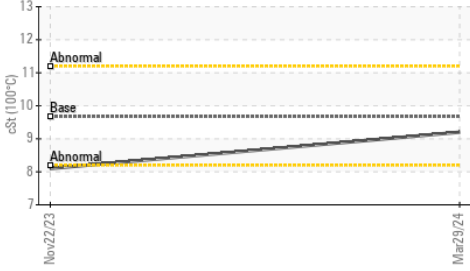
Acid Number



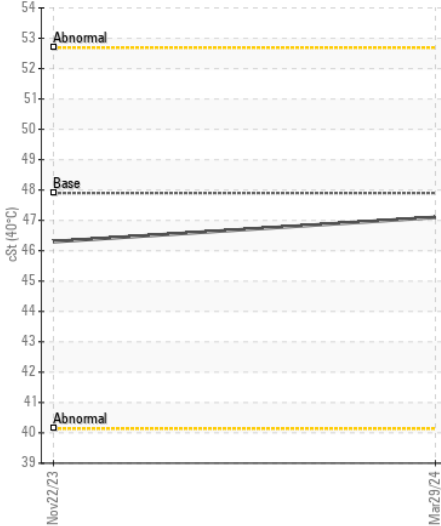
Non-ferrous Metals



Viscosity @ 100°C



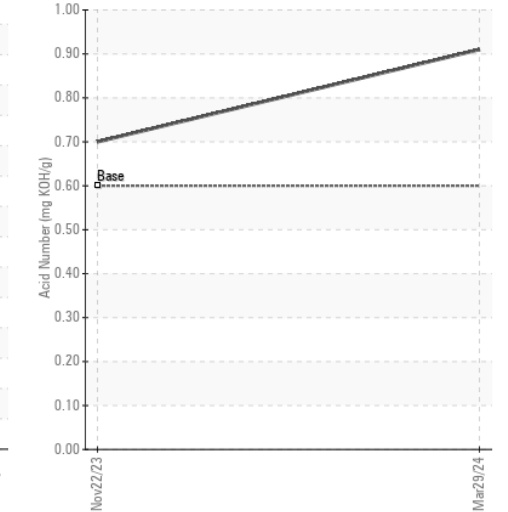
Viscosity @ 40°C



Viscosity @ 40°C



Acid Number



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0062568 **Received** : 09 Apr 2024
Lab Number : 02627690 **Tested** : 10 Apr 2024
Unique Number : 5760822 **Diagnosed** : 10 Apr 2024 - Kevin Marson
Test Package : IND 2 (Additional Tests: KV100, TAN Man, VI)

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 L'Islet, QC
 CA G0R 2C0
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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.