



OIL ANALYSIS REPORT

Sample Rating Trend

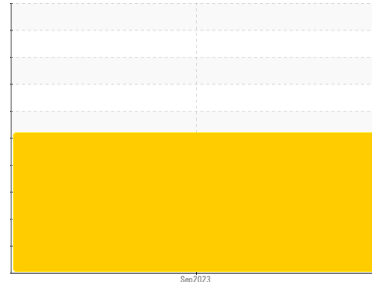
ISO



Machine Id
9206

Component
Hydraulic System

Fluid
PETRO CANADA HYDREX MV 32 (--- GAL)



DIAGNOSIS

Recommendation

Vérifier les scelles et/ou les filters 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 dessicant. Si évalué, nous vous recommandons de réparer / remplacer le reniflard. Nous avons pris note que le filtre a été remplacé au moment de l'échantillonnage. Échantillonner de nouveau dans 30 à 45 jours afin de contrôler la situation.

Wear

La présence du chrome est marginale. Les taux d'usure de tous les autres composants sont normaux.

Contamination

Il y a une grande quantité de limon (particules de 4 à 14 microns) dans l'huile.

Fluid Condition

l'huile peut encore servir si la contamination peut être réduite à un niveau acceptable.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0088875	---	---
Sample Date	Client Info		08 Sep 2023	---	---
Machine Age	kms	Client Info	393181	---	---
Oil Age	kms	Client Info	0	---	---
Oil Changed	Client Info		Not Chngd	---	---
Sample Status			SEVERE	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >50	11	---	---
Chromium	ppm	ASTM D5185(m) >10	▲ 10	---	---
Nickel	ppm	ASTM D5185(m) >4	0	---	---
Titanium	ppm	ASTM D5185(m)	0	---	---
Silver	ppm	ASTM D5185(m)	<1	---	---
Aluminum	ppm	ASTM D5185(m) >5	<1	---	---
Lead	ppm	ASTM D5185(m) >4	<1	---	---
Copper	ppm	ASTM D5185(m) >15	1	---	---
Tin	ppm	ASTM D5185(m) >4	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	<1	---	---
Molybdenum	ppm	ASTM D5185(m) 0	6	---	---
Manganese	ppm	ASTM D5185(m) 1	0	---	---
Magnesium	ppm	ASTM D5185(m) 0	97	---	---
Calcium	ppm	ASTM D5185(m) 50	169	---	---
Phosphorus	ppm	ASTM D5185(m) 330	440	---	---
Zinc	ppm	ASTM D5185(m) 430	557	---	---
Sulfur	ppm	ASTM D5185(m) 760	1053	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS

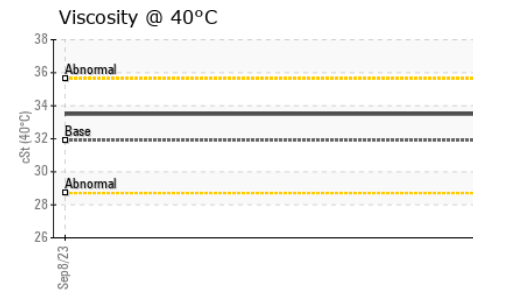
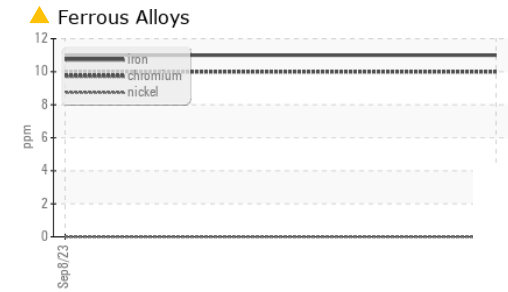
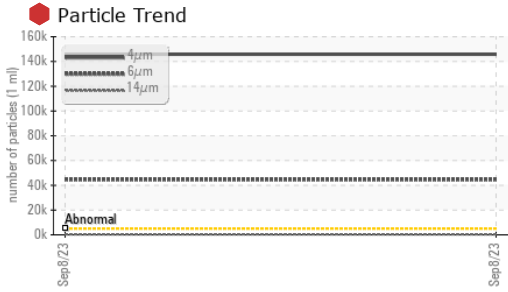
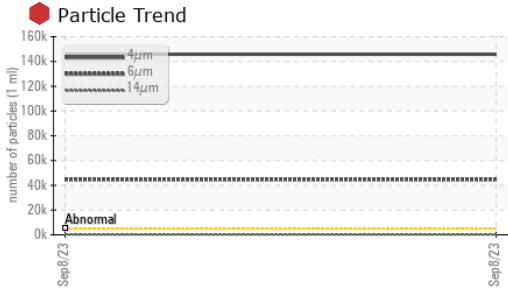
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >15	3	---	---
Sodium	ppm	ASTM D5185(m)	4	---	---
Potassium	ppm	ASTM D5185(m) >20	<1	---	---

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	▲ 145819	---	---
Particles >6µm	ASTM D7647	>1300	▲ 44640	---	---
Particles >14µm	ASTM D7647	>160	▲ 383	---	---
Particles >21µm	ASTM D7647	>40	▲ 60	---	---
Particles >38µm	ASTM D7647	>10	5	---	---
Particles >71µm	ASTM D7647	>3	1	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 24/23/16	---	---



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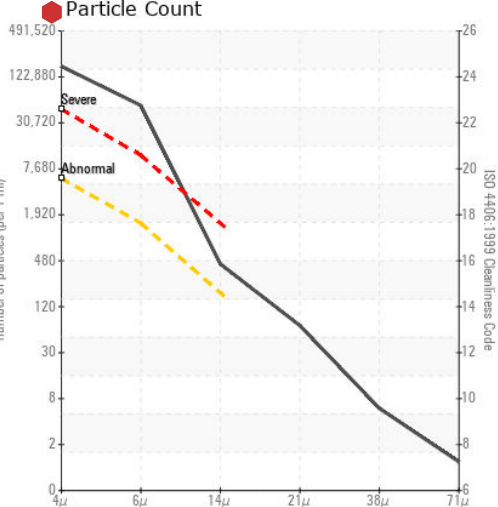
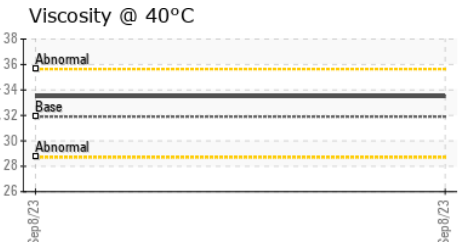
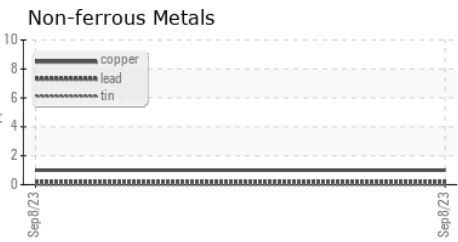
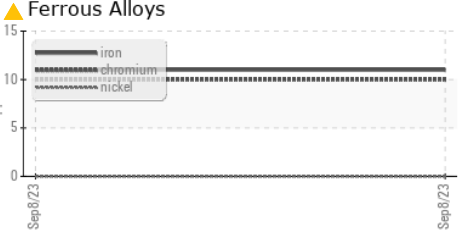


VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
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)	31.9	33.5	---	---

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 GFL Environmental - 780 - GMA - ICI - Solid Waste
Sample No. : GFL0088875 **Received** : 31 Oct 2023 4365 boul. St-Elzear Ouest,
Lab Number : 02592999 **Diagnosed** : 01 Nov 2023 Laval, QC
Unique Number : 5670078 **Diagnostician** : Kevin Marson CA H7P 4J3
Test Package : MOB 1 (Additional Tests: PrtCount) Contact: Pieces Laval
 pieces.laval@gflenv.com

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.