



Machine Id
OR706
Component
Hydraulic System
Fluid
PETRO CANADA HYDREX MV 32 (--- GAL)

RECOMMENDATION

Confirmez la source du lubrifiant utilisé pour l'appoint/remplissage. 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		GFL0114846	GFL0114898	GFL0097026
Sample Date		Client Info		03 May 2024	26 Feb 2024	15 Nov 2023
Machine Age	hrs	Client Info		13608	2012	12
Oil Age	hrs	Client Info		1200	200	0
Filter Age	hrs	Client Info		1200	200	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				MARGINAL	NORMAL	ABNORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>65	21	21	22
Chromium	ppm	ASTM D5185(m)	>6	▲ 7	6	6
Nickel	ppm	ASTM D5185(m)	>10	0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>5	1	1	1
Lead	ppm	ASTM D5185(m)	>45	0	<1	<1
Copper	ppm	ASTM D5185(m)	>120	3	3	3
Tin	ppm	ASTM D5185(m)	>4	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

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

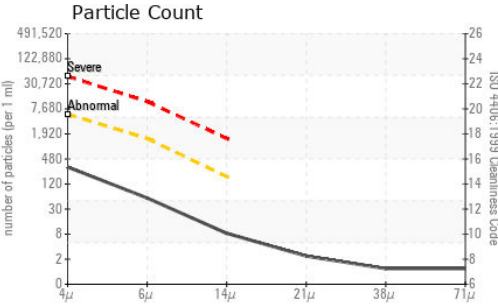
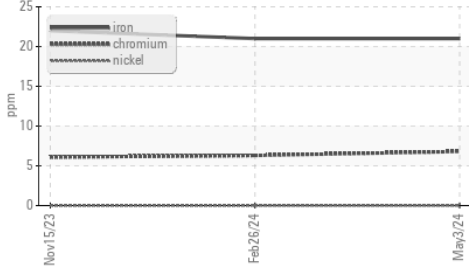
Silicon	ppm	ASTM D5185(m)	>25	2	3	3
Potassium	ppm	ASTM D5185(m)	>20	1	2	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	271	1003	▲ 12223
Particles >6µm		ASTM D7647	>1300	49	130	● 2005
Particles >14µm		ASTM D7647	>160	7	12	58
Particles >21µm		ASTM D7647	>40	2	4	11
Particles >38µm		ASTM D7647	>10	1	1	2
Particles >71µm		ASTM D7647	>3	1	0	1
Oil Cleanliness		ISO 4406 (c)	>19/17/14	15/13/10	17/14/11	▲ 21/18/13
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG

FLUID CONDITION

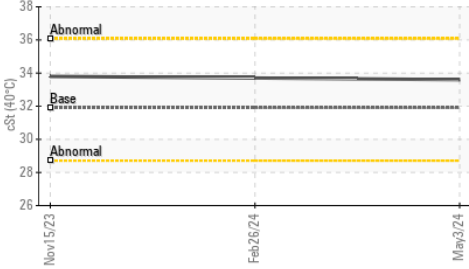
Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		2	2	2
Boron	ppm	ASTM D5185(m)	0	2	2	2
Barium	ppm	ASTM D5185(m)	0	<1	0	<1
Molybdenum	ppm	ASTM D5185(m)	0	0	<1	<1
Manganese	ppm	ASTM D5185(m)	1	<1	0	0
Magnesium	ppm	ASTM D5185(m)	0	16	16	17
Calcium	ppm	ASTM D5185(m)	50	395	408	428
Phosphorus	ppm	ASTM D5185(m)	330	377	380	383
Zinc	ppm	ASTM D5185(m)	430	427	416	422
Sulfur	ppm	ASTM D5185(m)	760	1497	1658	1526
Visc @ 40°C	cSt	ASTM D7279(m)	31.9	33.6	33.7	33.8

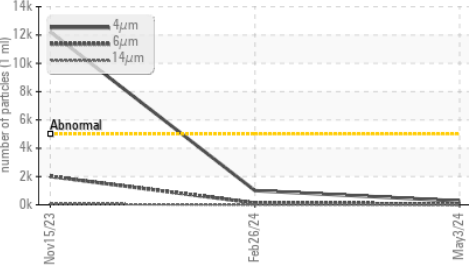
▲ Ferrous Alloys



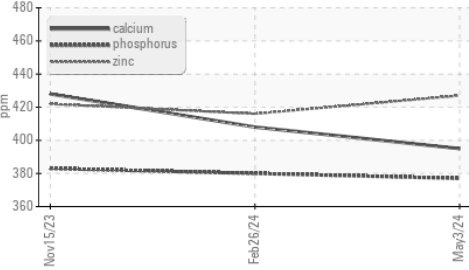
Viscosity @ 40°C



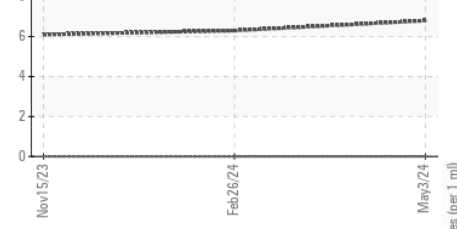
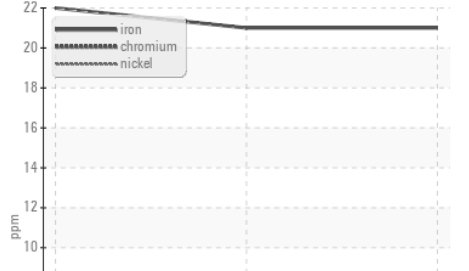
Particle Trend



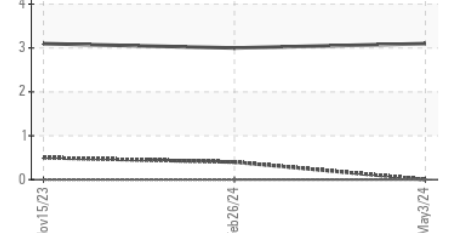
Additives



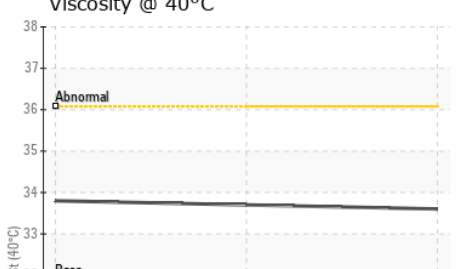
▲ Ferrous Alloys



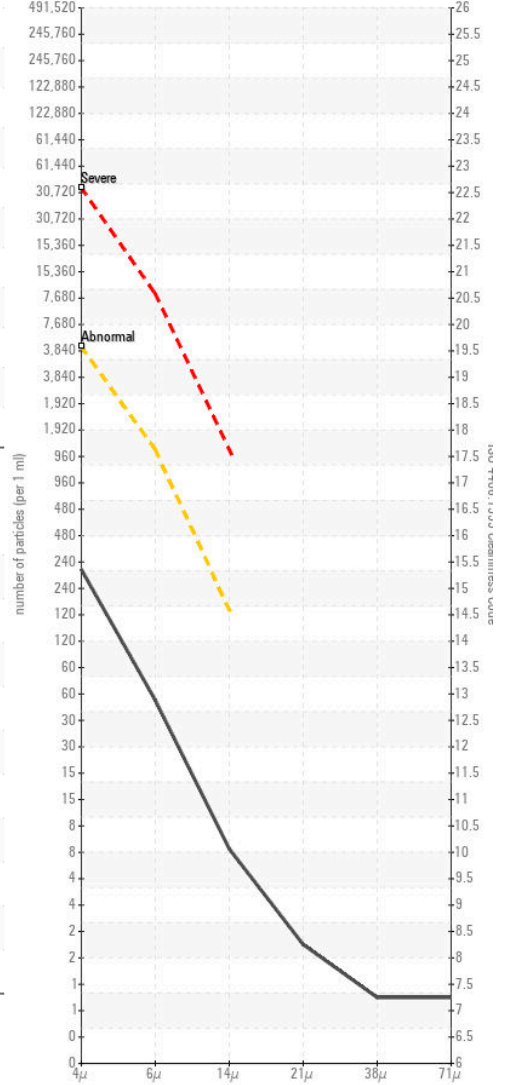
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0114846
Lab Number : 02634972
Unique Number : 5776125
Test Package : MOB 1 (Additional Tests: PrtCount)

GFL Environmental - 780 - GMA - ICI - Solid Waste
 4365 boul. St-Elzear Ouest,
 Laval, QC
 CA H7P 4J3
 Contact: Louis Michaud
 louis.michaud@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.