



Machine Id
MACK 928125
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 10W30 (--- LTR)

RECOMMENDATION

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0088235	GFL0100794	GFL0100822
Sample Date		Client Info		15 May 2024	17 Jan 2024	17 Nov 2023
Machine Age	hrs	Client Info		10451	9869	9560
Oil Age	hrs	Client Info		582	309	606
Filter Age	hrs	Client Info		582	309	606
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>120	11	7	12
Chromium	ppm	ASTM D5185(m)	>20	<1	0	<1
Nickel	ppm	ASTM D5185(m)	>5	0	<1	0
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	9	3	2
Lead	ppm	ASTM D5185(m)	>40	0	<1	<1
Copper	ppm	ASTM D5185(m)	>330	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>15	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

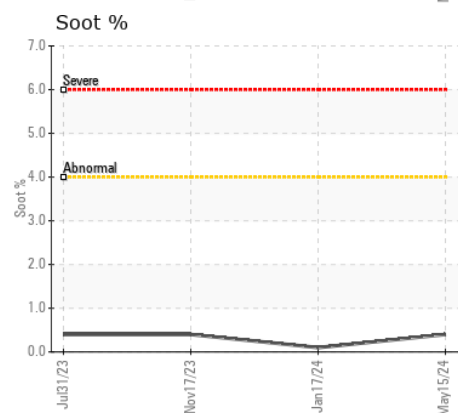
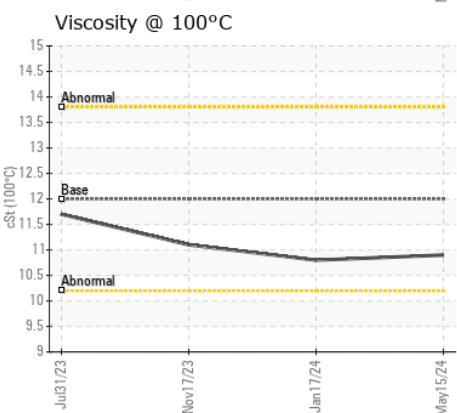
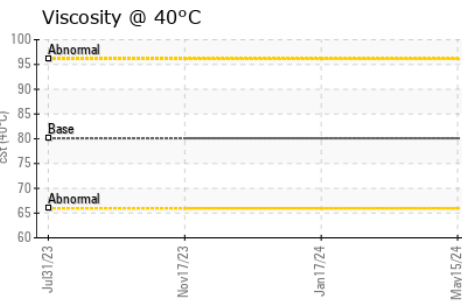
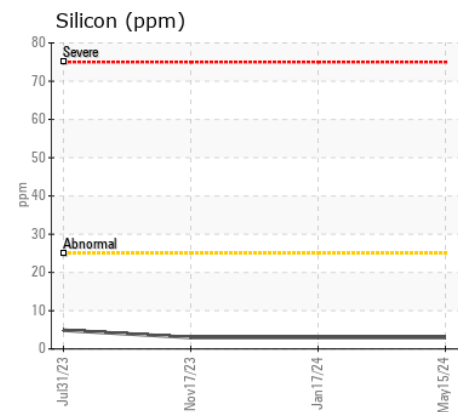
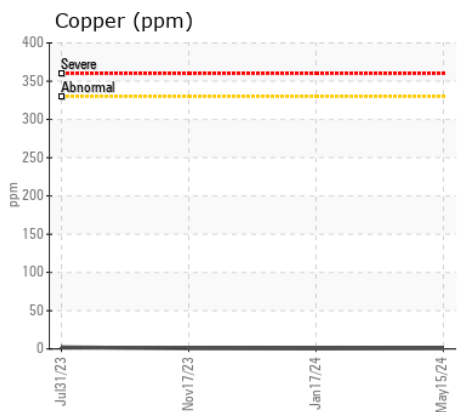
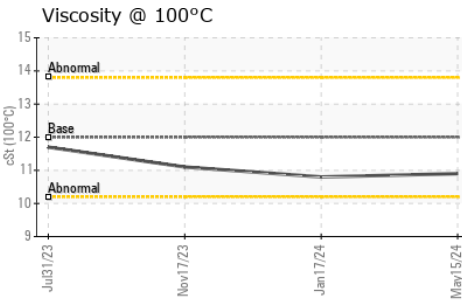
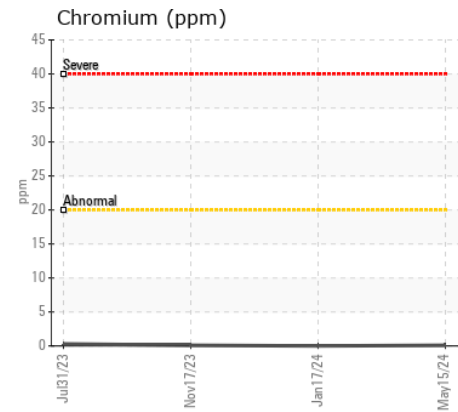
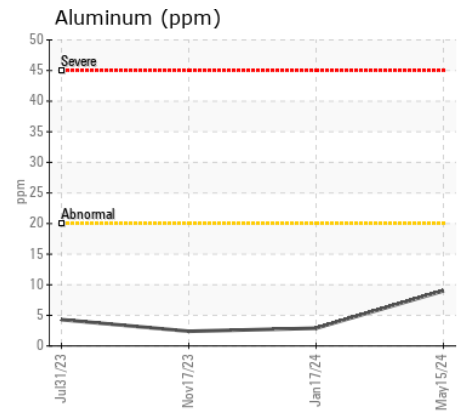
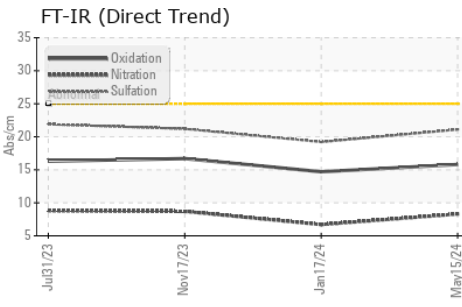
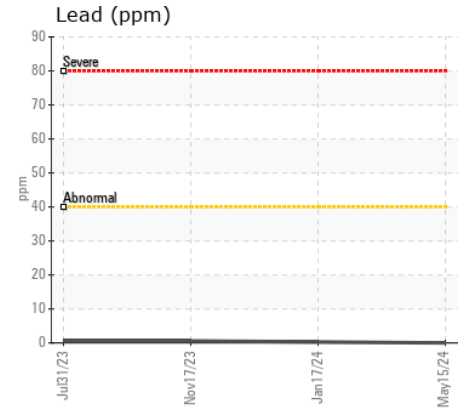
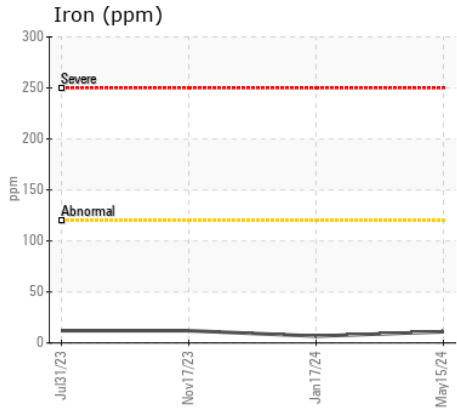
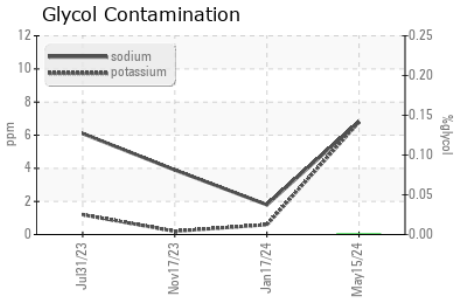
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	3	3	3
Potassium	ppm	ASTM D5185(m)	>20	7	<1	<1
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	ASTM D7922*		0.0	NEG	NEG
Soot %	%	ASTM D7844*	>4	0.4	0.1	0.4
Nitration	Abs/cm	ASTM D7624*	>20	8.3	6.7	8.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.1	19.2	21.2
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		7	2	4
Boron	ppm	ASTM D5185(m)	2	21	20	11
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	50	53	61	62
Manganese	ppm	ASTM D5185(m)	0	<1	0	0
Magnesium	ppm	ASTM D5185(m)	950	787	887	909
Calcium	ppm	ASTM D5185(m)	1050	1168	1044	1060
Phosphorus	ppm	ASTM D5185(m)	995	925	950	908
Zinc	ppm	ASTM D5185(m)	1180	1131	1111	1143
Sulfur	ppm	ASTM D5185(m)	2600	2365	2606	2152
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.8	14.7	16.7
Visc @ 40°C	cSt	ASTM D7279(m)	80.1	72.2	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	10.9	10.8	11.1
Viscosity Index (VI)	Scale	ASTM D2270*	144	140	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088235 **Received** : 24 May 2024
Lab Number : 02637388 **Tested** : 24 May 2024
Unique Number : 5786550 **Diagnosed** : 24 May 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: Glycol, KV40, VI)

GFL Environmental 791MAT - Matane
 29 rue Brilliant
 Matane, QC
 CA G4W 0J7
 Contact: B Berube
 bberube@matrec.ca

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.