



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
CAPLAN
Machine Id
#813101
Component
Front Diesel Engine
Fluid
PETRO CANADA DURON SHP 10W30 (30 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		GFL0113449	GFL0091115	GFL0091109
Sample Date		Client Info		25 Jun 2024	09 Feb 2024	09 Feb 2024
Machine Age	hrs	Client Info		2153	1605	1605
Oil Age	hrs	Client Info		548	704	79
Filter Age	hrs	Client Info		548	241	79
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant.

Iron	ppm	ASTM D5185(m)	>90	29	21	5
Chromium	ppm	ASTM D5185(m)	>20	1	<1	0
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	8	4	2
Lead	ppm	ASTM D5185(m)	>40	0	<1	0
Copper	ppm	ASTM D5185(m)	>330	7	8	2
Tin	ppm	ASTM D5185(m)	>15	<1	<1	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

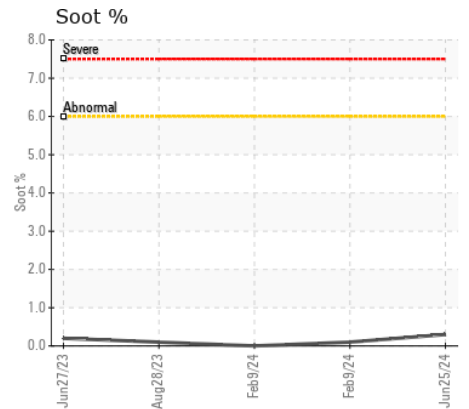
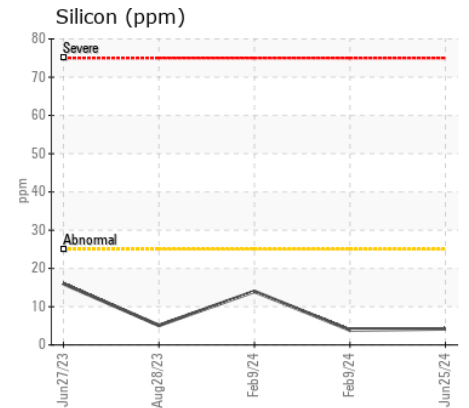
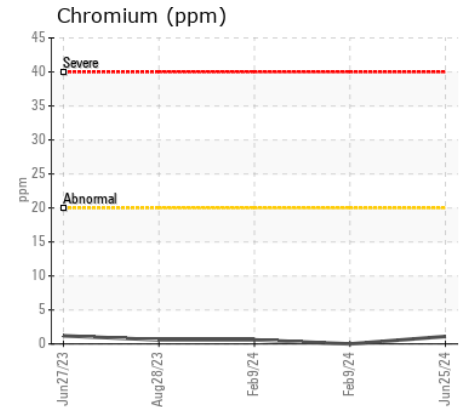
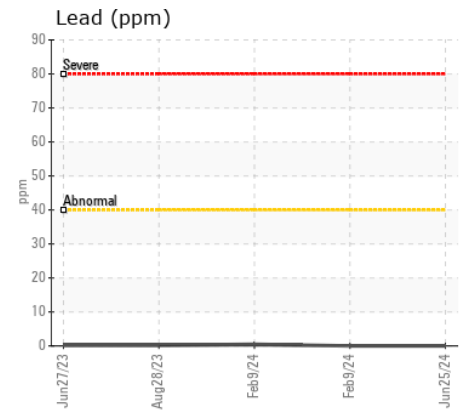
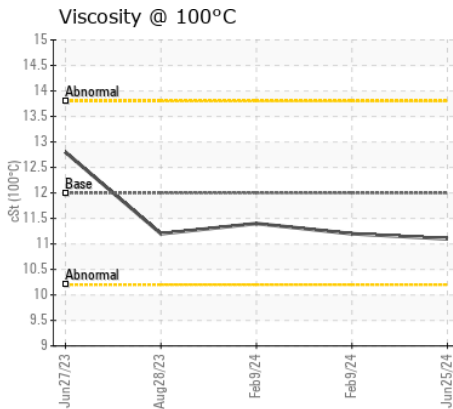
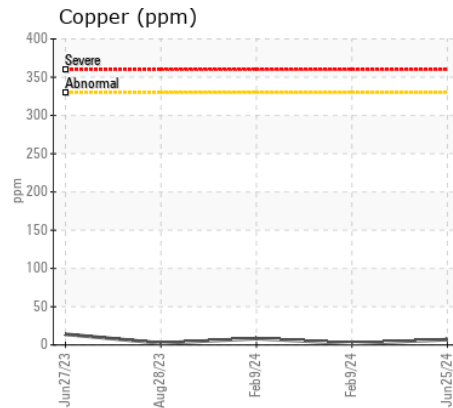
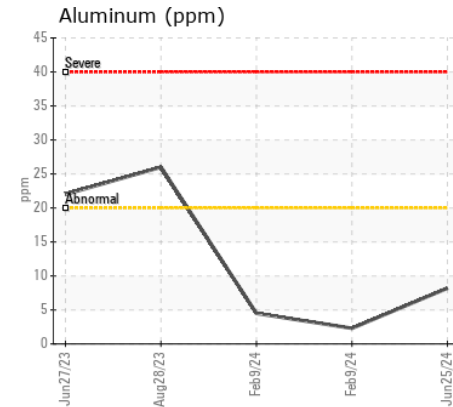
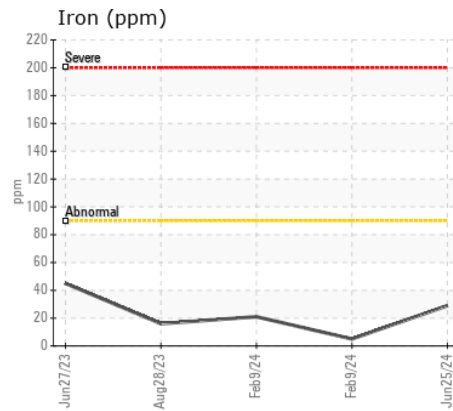
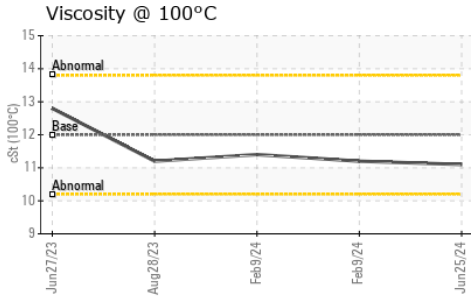
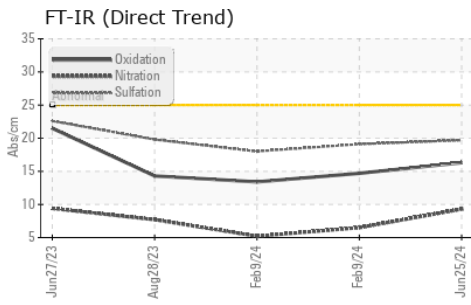
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	4	14	4
Potassium	ppm	ASTM D5185(m)	>20	10	2	1
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>6	0.3	0.1	0
Nitration	Abs/cm	ASTM D7624*	>20	9.3	6.5	5.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.7	19.1	18.0
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)		2	3	2
Boron	ppm	ASTM D5185(m)	2	10	14	17
Barium	ppm	ASTM D5185(m)	0	<1	3	0
Molybdenum	ppm	ASTM D5185(m)	50	63	57	61
Manganese	ppm	ASTM D5185(m)	0	2	6	<1
Magnesium	ppm	ASTM D5185(m)	950	894	903	866
Calcium	ppm	ASTM D5185(m)	1050	1177	1082	1145
Phosphorus	ppm	ASTM D5185(m)	995	974	946	1008
Zinc	ppm	ASTM D5185(m)	1180	1191	1093	1153
Sulfur	ppm	ASTM D5185(m)	2600	2485	2613	2844
Oxidation	Abs/.1mm	ASTM D7414*	>25	16.3	14.7	13.4
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.1	11.2	11.4



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0113449
Lab Number : 02644511
Unique Number : 5802050
Test Package : MOB 1
Received : 28 Jun 2024
Tested : 28 Jun 2024
Diagnosed : 28 Jun 2024 - Wes Davis

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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