



Machine Id
801086
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 10W30 (--- GAL)

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		PC0088199	PC0081901	PC0075491
Sample Date		Client Info		09 May 2024	16 Nov 2023	29 Aug 2023
Machine Age	kms	Client Info		132374	124784	119098
Oil Age	kms	Client Info		0	0	0
Filter Age	kms	Client Info		0	0	0
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)	>90	13	28	43
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	1
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	<1
Silver	ppm	ASTM D5185(m)	>2	0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	2	3	5
Lead	ppm	ASTM D5185(m)	>40	0	0	<1
Copper	ppm	ASTM D5185(m)	>330	1	2	3
Tin	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

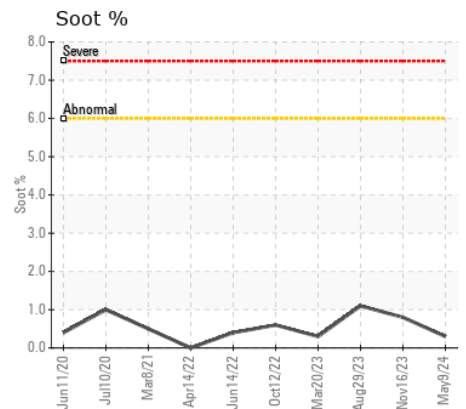
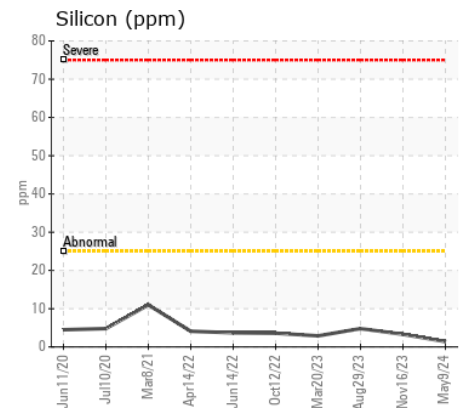
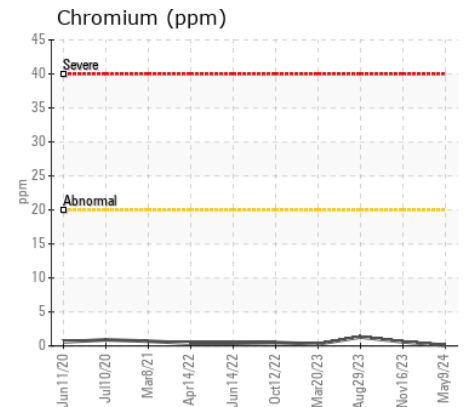
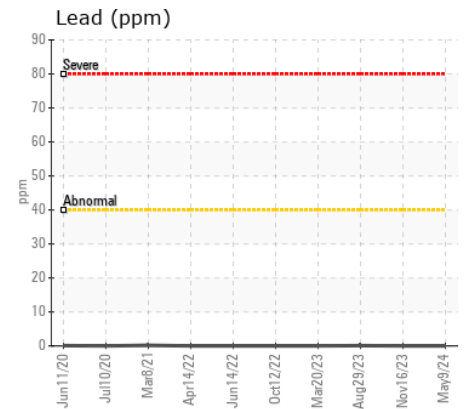
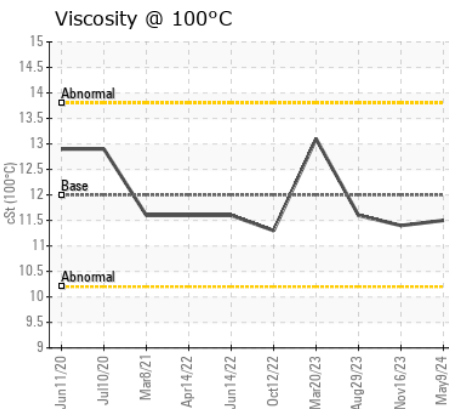
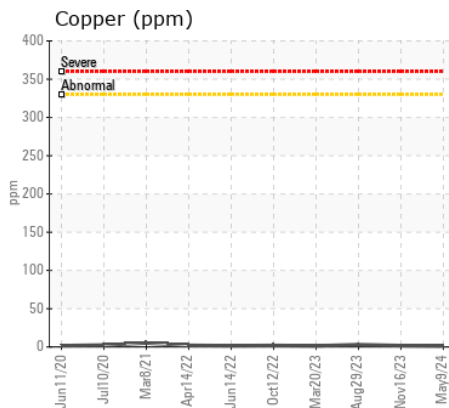
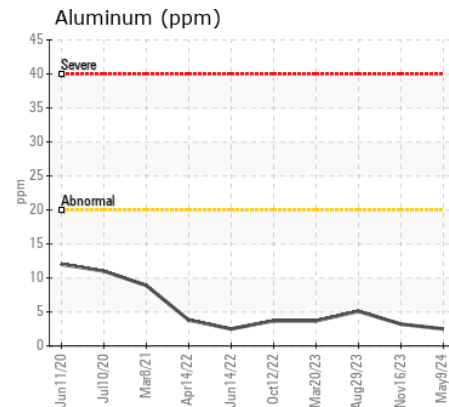
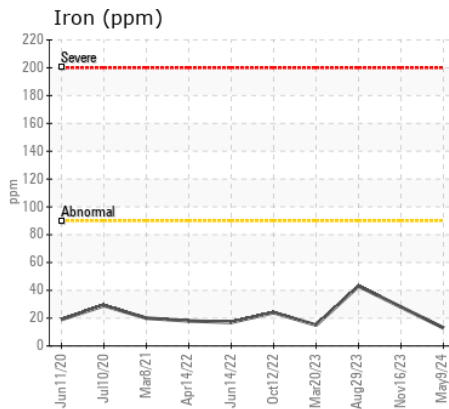
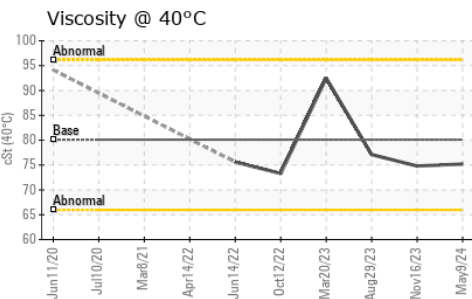
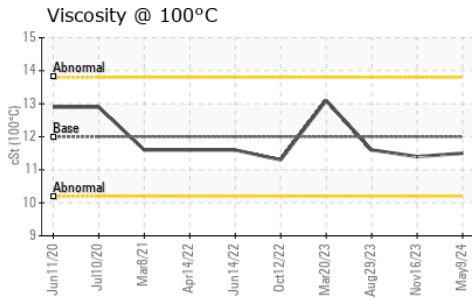
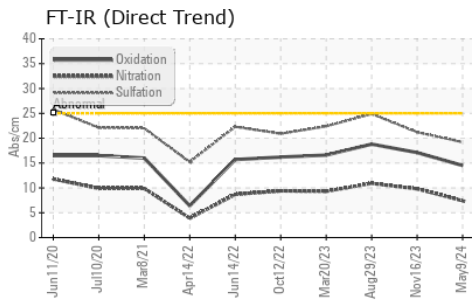
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	1	3	5
Potassium	ppm	ASTM D5185(m)	>20	1	<1	2
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	0.8	1.1
Nitration	Abs/cm	ASTM D7624*	>20	7.4	9.8	10.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.2	21.2	24.9
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)		4	2	2
Boron	ppm	ASTM D5185(m)	2	7	4	5
Barium	ppm	ASTM D5185(m)	0	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	50	59	60	60
Manganese	ppm	ASTM D5185(m)	0	<1	0	<1
Magnesium	ppm	ASTM D5185(m)	950	952	962	958
Calcium	ppm	ASTM D5185(m)	1050	1066	1070	1037
Phosphorus	ppm	ASTM D5185(m)	995	987	987	1019
Zinc	ppm	ASTM D5185(m)	1180	1181	1197	1180
Sulfur	ppm	ASTM D5185(m)	2600	2511	2366	2279
Oxidation	Abs/.1mm	ASTM D7414*	>25	14.5	17.1	18.8
Visc @ 40°C	cSt	ASTM D7279(m)	80.1	75.2	74.8	77.1
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.5	11.4	11.6
Viscosity Index (VI)	Scale	ASTM D2270*	144	145	144	143



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088199
Lab Number : 02635491
Unique Number : 5776644
Test Package : MOB 1 (Additional Tests: KV40, VI)
Received : 15 May 2024
Tested : 15 May 2024
Diagnosed : 15 May 2024 - Wes Davis

GFL Environmental - 737 - Quebec City Hauling
 6205 Boul. Wilfrid Hamel,
 Quebec City, QC
 CA G2E 5G8
 Contact: Dave Beaulieu
 davebeaulieu@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.