



Machine Id
501085
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		PC0088215	PC0083965	PC0073179
Sample Date		Client Info		05 Jun 2024	24 Jan 2024	13 Sep 2023
Machine Age	kms	Client Info		680281	643846	610435
Oil Age	kms	Client Info		0	0	0
Filter Age	kms	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>120	12	57	32
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>15	1	1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	6	10	7
Lead	ppm	ASTM D5185(m)	>40	0	<1	<1
Copper	ppm	ASTM D5185(m)	>330	2	10	5
Tin	ppm	ASTM D5185(m)	>15	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

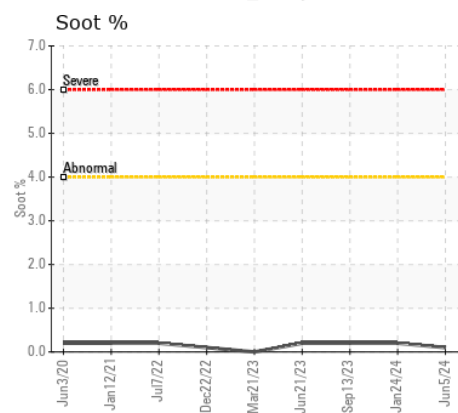
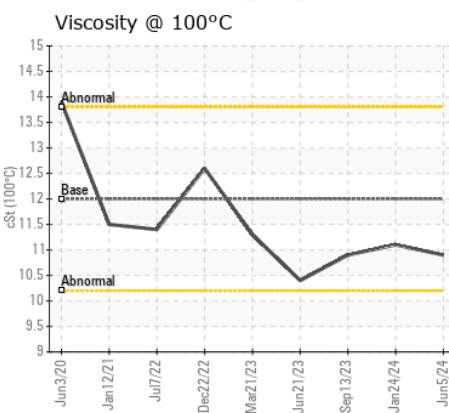
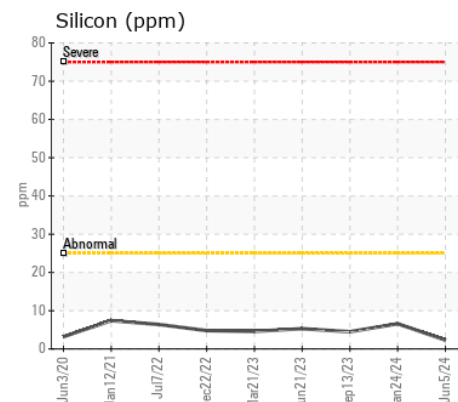
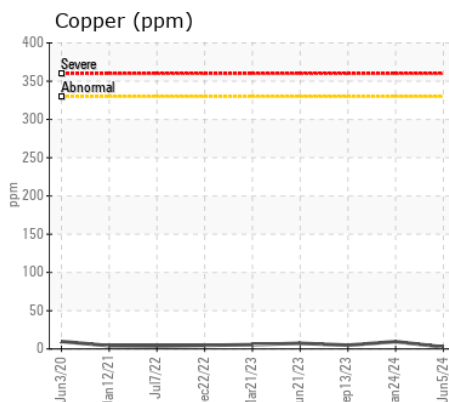
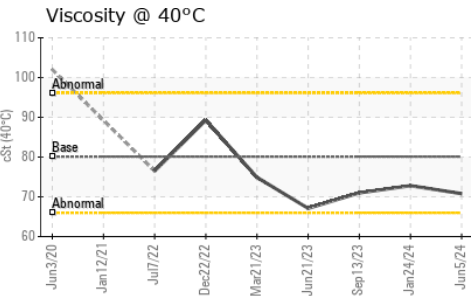
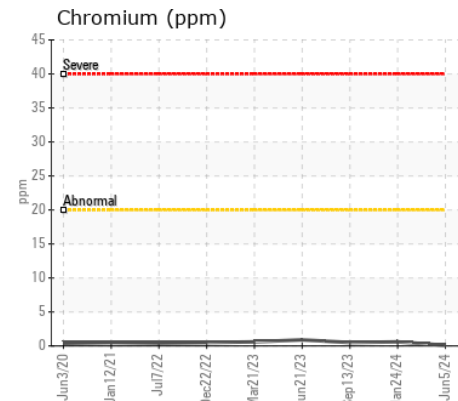
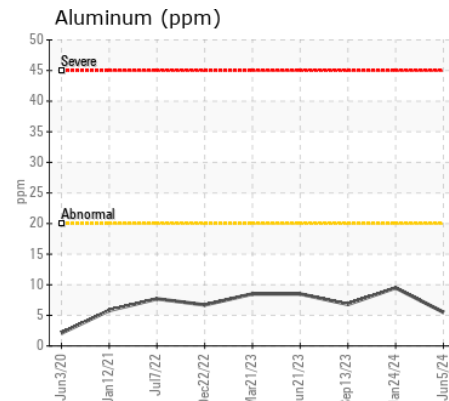
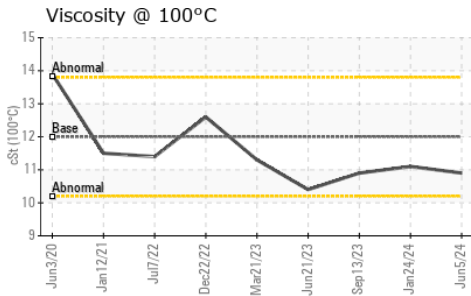
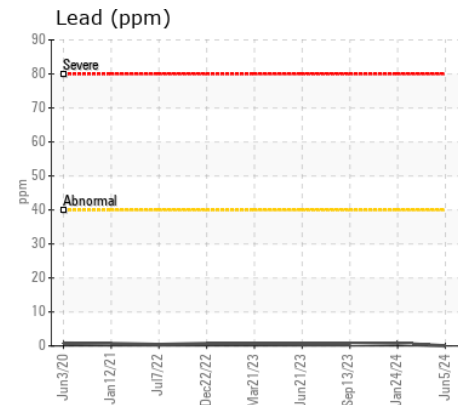
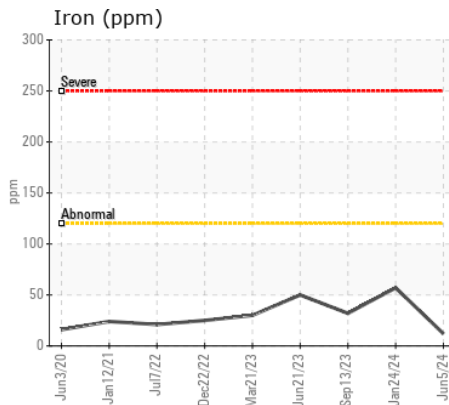
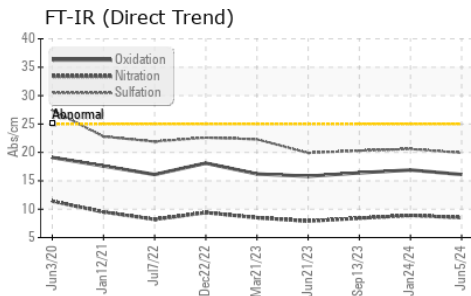
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	2	7	4
Potassium	ppm	ASTM D5185(m)	>20	<1	3	5
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*	>4	0.1	0.2	0.2
Nitration	Abs/cm	ASTM D7624*	>20	8.5	8.9	8.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.9	20.6	20.3
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	5	7
Boron	ppm	ASTM D5185(m)	2	8	10	4
Barium	ppm	ASTM D5185(m)	0	0	<1	<1
Molybdenum	ppm	ASTM D5185(m)	50	60	54	61
Manganese	ppm	ASTM D5185(m)	0	<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	950	944	951	973
Calcium	ppm	ASTM D5185(m)	1050	1036	1150	1096
Phosphorus	ppm	ASTM D5185(m)	995	953	977	1063
Zinc	ppm	ASTM D5185(m)	1180	1151	1167	1218
Sulfur	ppm	ASTM D5185(m)	2600	2388	2568	2455
Oxidation	Abs/.1mm	ASTM D7414*	>25	16.1	16.9	16.4
Visc @ 40°C	cSt	ASTM D7279(m)	80.1	70.8	72.8	71.0
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	10.9	11.1	10.9
Viscosity Index (VI)	Scale	ASTM D2270*	144	143	143	143



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088215
Lab Number : 02641313
Unique Number : 5798852
Test Package : MOB 1 (Additional Tests: KV40, VI)

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.

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