



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
8107
Component
Diesel Engine
Fluid
PETRO CANADA DURON HP 15W40 (--- 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		PC0079643	PC0074559	PC0068808
Sample Date		Client Info		21 Dec 2023	17 Jul 2023	17 Feb 2023
Machine Age	kms	Client Info		620137	560240	0
Oil Age	kms	Client Info		59892	60605	8418
Filter Age	kms	Client Info		59892	60605	8418
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)	>100	19	25	24
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	6	6	7
Lead	ppm	ASTM D5185(m)	>40	2	2	1
Copper	ppm	ASTM D5185(m)	>330	5	6	7
Tin	ppm	ASTM D5185(m)	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

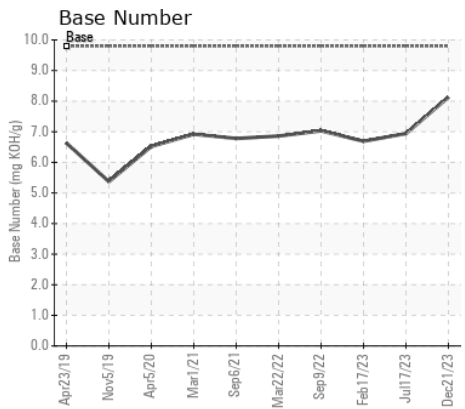
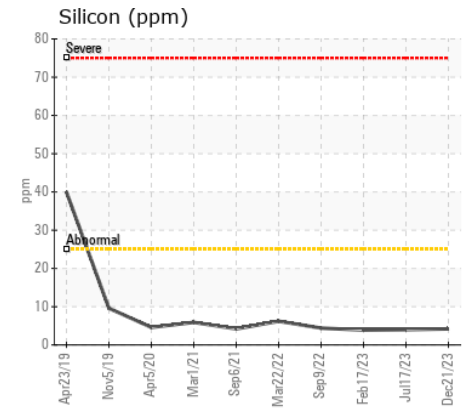
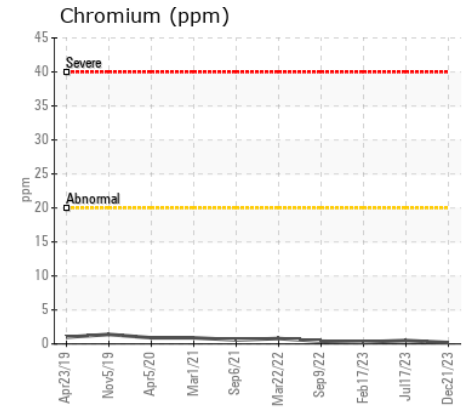
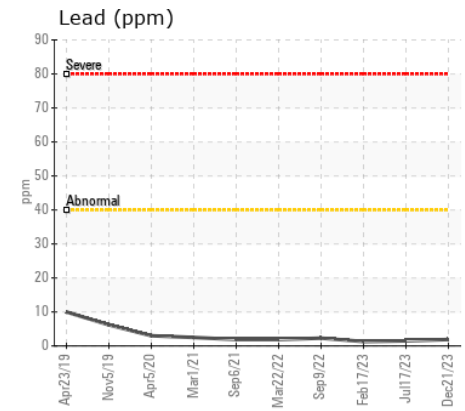
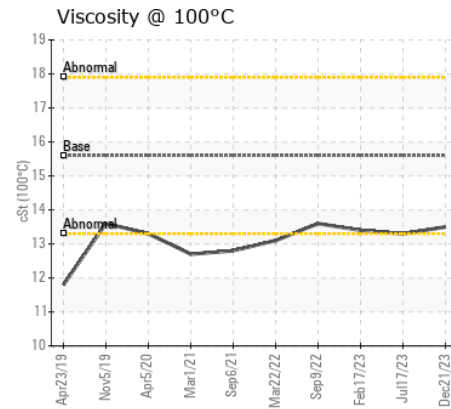
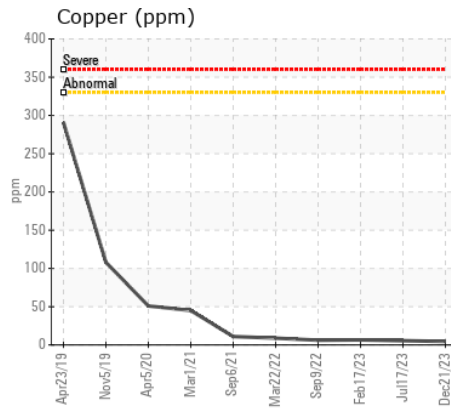
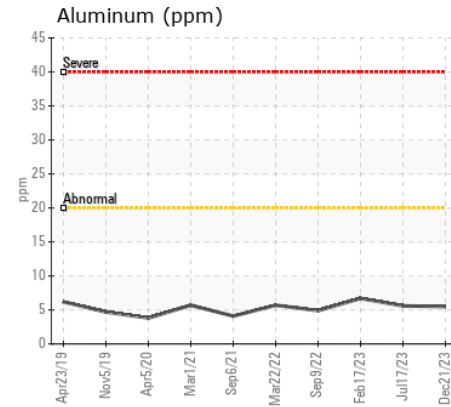
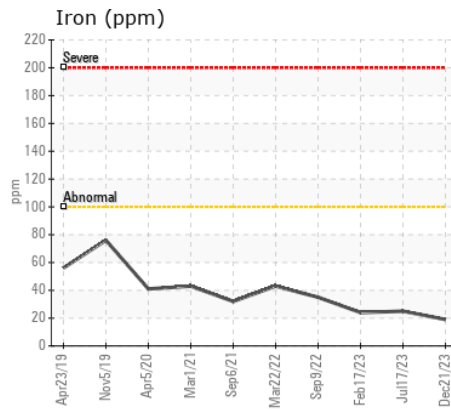
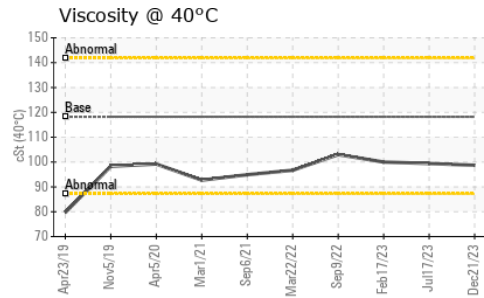
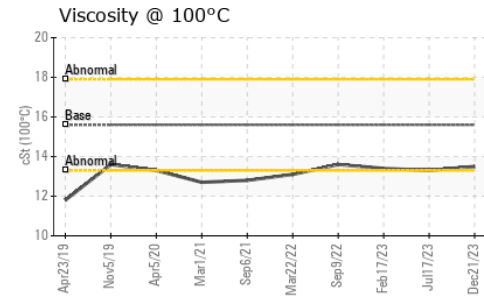
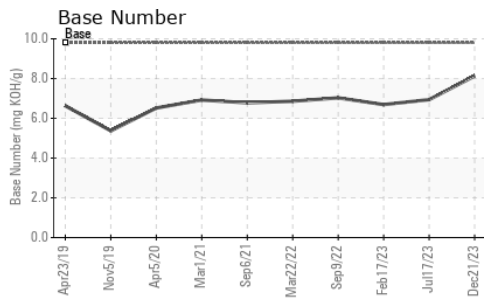
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	4	4	4
Potassium	ppm	ASTM D5185(m)	>20	7	8	9
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0.4	0.5	0.1
Nitration	Abs/cm	ASTM D7624*	>20	8.5	8.9	7.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.4	22.5	23.0
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. L'état de l'huile permet d'en prolonger l'utilisation.

Sodium	ppm	ASTM D5185(m)		4	6	5
Boron	ppm	ASTM D5185(m)	0	1	2	<1
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	59	61	61
Manganese	ppm	ASTM D5185(m)	0	0	<1	<1
Magnesium	ppm	ASTM D5185(m)	1010	976	1002	1016
Calcium	ppm	ASTM D5185(m)	1070	1079	1055	1160
Phosphorus	ppm	ASTM D5185(m)	1150	983	1023	1091
Zinc	ppm	ASTM D5185(m)	1270	1180	1203	1231
Sulfur	ppm	ASTM D5185(m)	2060	2308	2206	2354
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.4	17.6	13.9
Base Number (BN)	mg KOH/g	ASTM D2896*	9.8	8.13	6.94	6.69
Visc @ 40°C	cSt	ASTM D7279(m)	118.2	98.7	99.4	100
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	13.5	13.3	13.4
Viscosity Index (VI)	Scale	ASTM D2270*	139	136	132	133



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0079643
Lab Number : 02605524
Unique Number : 5698609
Test Package : MOB 2 (Additional Tests: KV40, VI)

Received : 28 Dec 2023
Tested : 29 Dec 2023
Diagnosed : 29 Dec 2023 - Wes Davis

TRANSDEV ST-JEAN
 720 TROTTER
 ST-JEAN-SUR-RICHELIEU, QC
 CA J3B 8T2
 Contact: Eric Breton
 eric.breton@transdev.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.

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