



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
429
 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		WC0937998	WC0906592	WC0805599
Sample Date		Client Info		22 May 2024	22 Feb 2024	31 Jul 2023
Machine Age	kms	Client Info		619240	602929	583997
Oil Age	kms	Client Info		16311	18932	20323
Filter Age	kms	Client Info		16311	18932	20323
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)	>200	17	31	23
Chromium	ppm	ASTM D5185(m)	>20	2	3	2
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	<1	0	<1
Silver	ppm	ASTM D5185(m)	>2	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>30	6	12	8
Lead	ppm	ASTM D5185(m)	>30	0	0	0
Copper	ppm	ASTM D5185(m)	>30	3	4	3
Tin	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

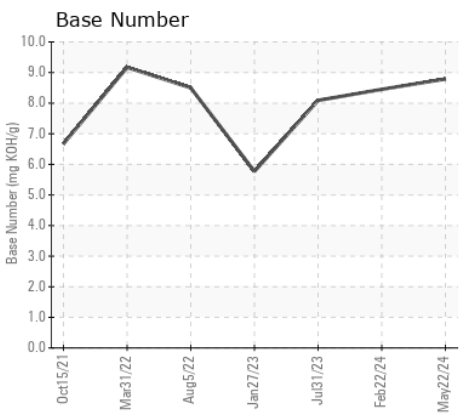
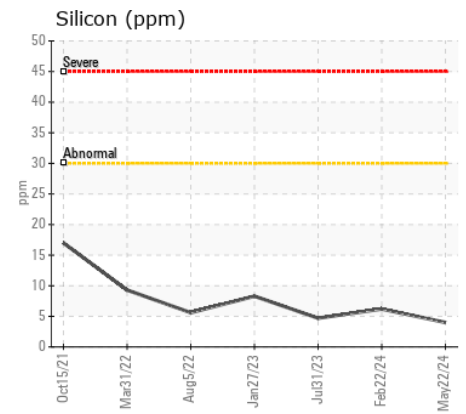
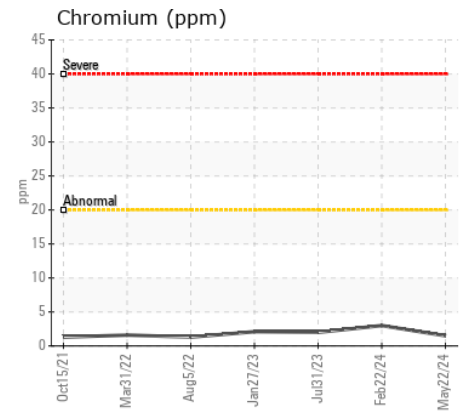
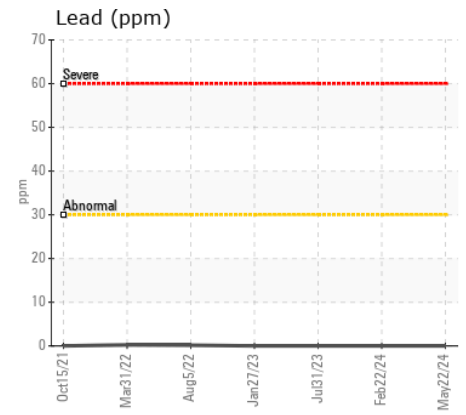
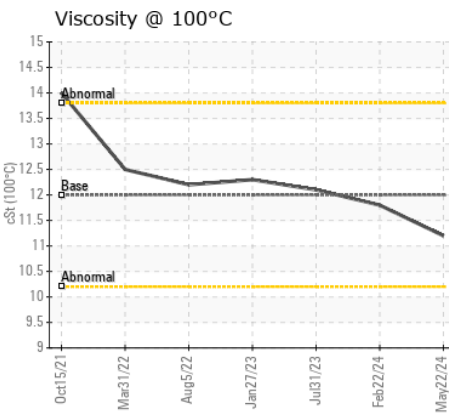
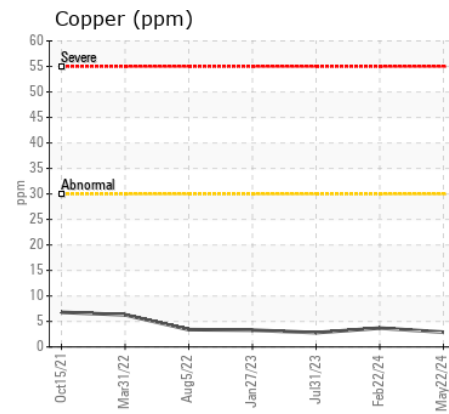
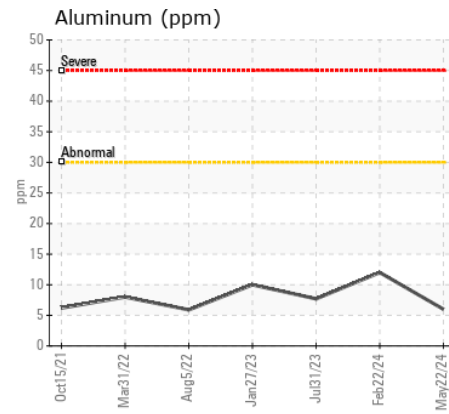
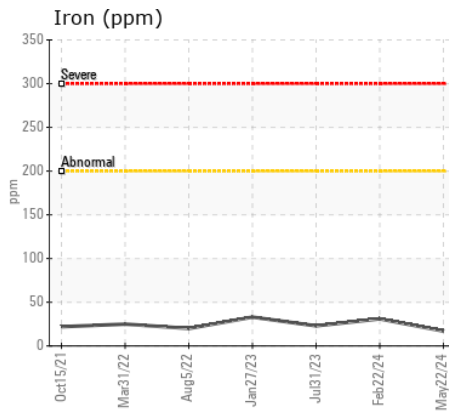
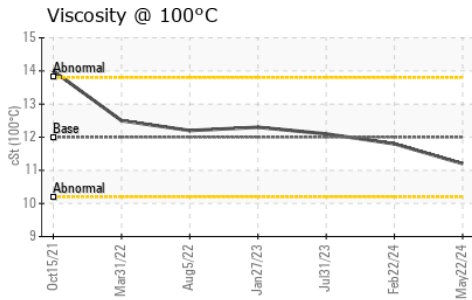
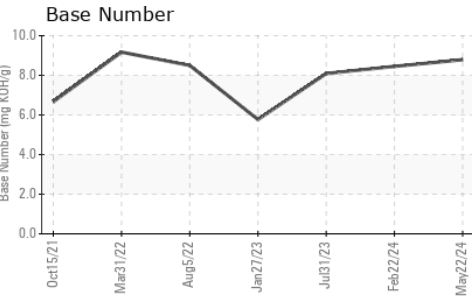
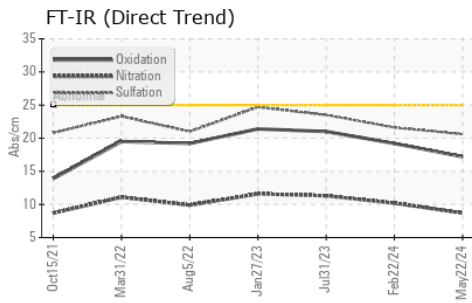
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>30	4	6	5
Potassium	ppm	ASTM D5185(m)	>20	1	4	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*	>3	0.3	0.4	0.5
Nitration	Abs/cm	ASTM D7624*	>20	8.7	10.2	11.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.6	21.6	23.5
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)		3	4	5
Boron	ppm	ASTM D5185(m)	2	9	15	17
Barium	ppm	ASTM D5185(m)	0	0	0	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	992	1038	1114
Calcium	ppm	ASTM D5185(m)	1050	989	959	861
Phosphorus	ppm	ASTM D5185(m)	995	985	1025	1059
Zinc	ppm	ASTM D5185(m)	1180	1184	1198	1206
Sulfur	ppm	ASTM D5185(m)	2600	2474	2757	2602
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.2	19.2	21.0
Base Number (BN)	mg KOH/g	ASTM D2896*		8.79	8.45	8.09
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.2	11.8	12.1



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0937998 **Received** : 07 Jun 2024
Lab Number : 02640437 **Tested** : 10 Jun 2024
Unique Number : 5789599 **Diagnosed** : 10 Jun 2024 - Wes Davis
Test Package : MOB 2

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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.