



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL



Machine Id

341

Component

Diesel Engine

Fluid

PETRO CANADA DURON SHP 10W30 (--- GAL)

RECOMMENDATION

Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Confirmez la source du lubrifiant utilisé pour l'appoint/remplissage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Le fluide était spécifié comme PETRO CANADA DURON SHP 10W30, toutefois, une comparaison avec d'autres fluides indique que ce fluide est du SAE 40 Diesel Engine Oil. Veuillez confirmer la viscosité de l'huile et veuillez préciser la marque de votre prochain échantillon.

WEAR

Usure de cylindre, de vilebrequin ou d'arbre à cames. Usure de piston.

CONTAMINATION

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

FLUID CONDITION

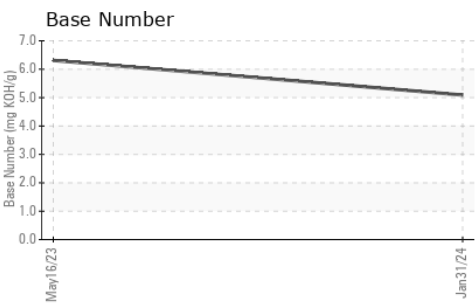
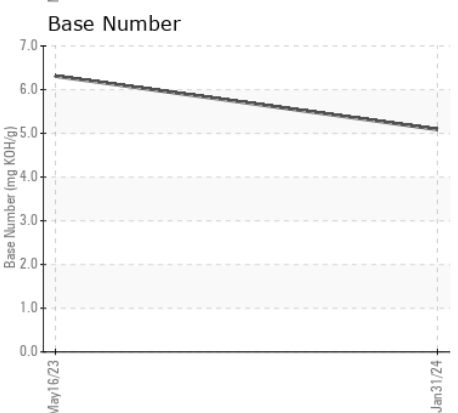
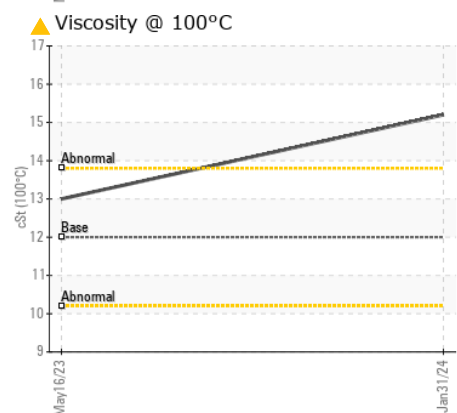
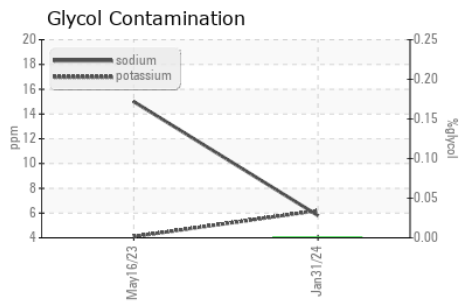
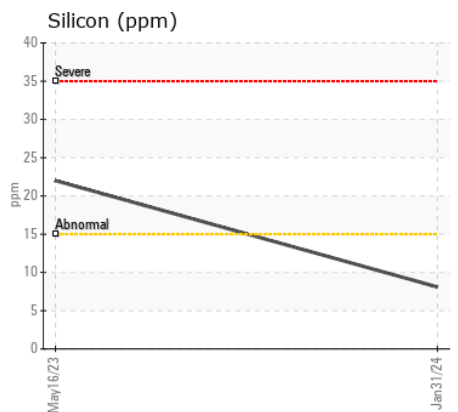
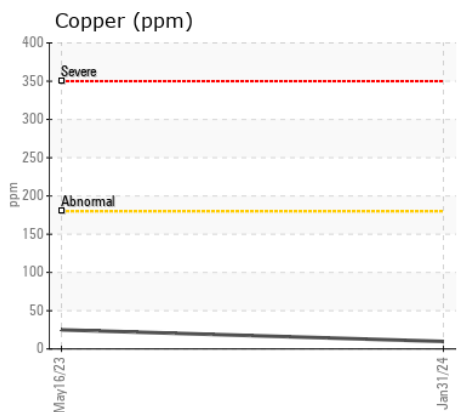
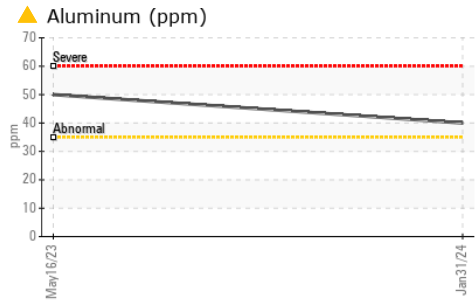
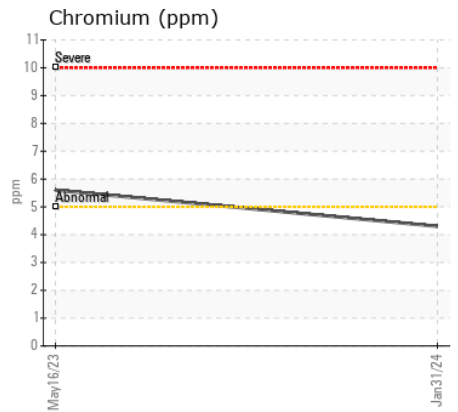
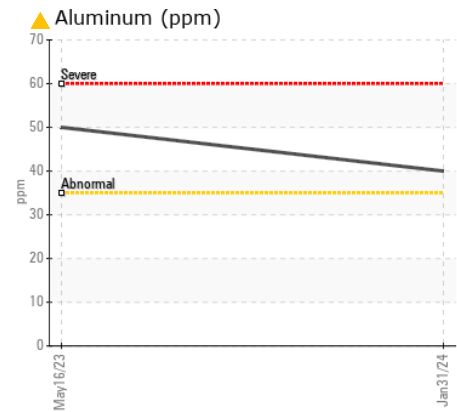
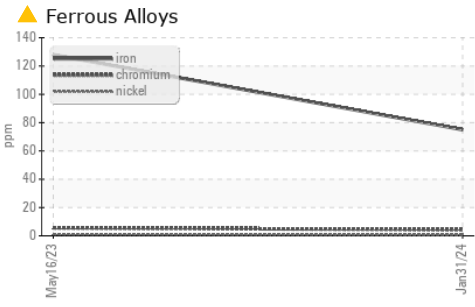
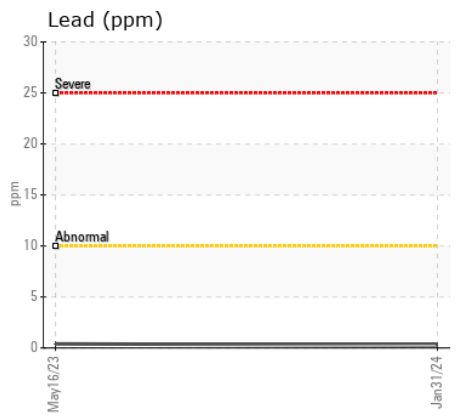
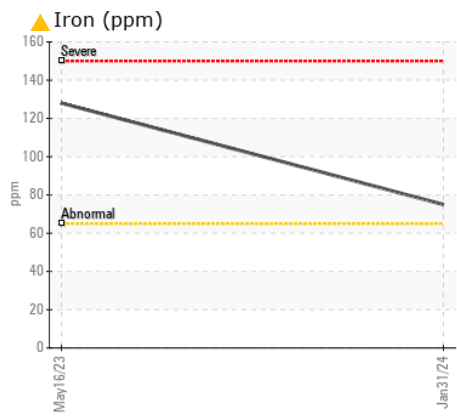
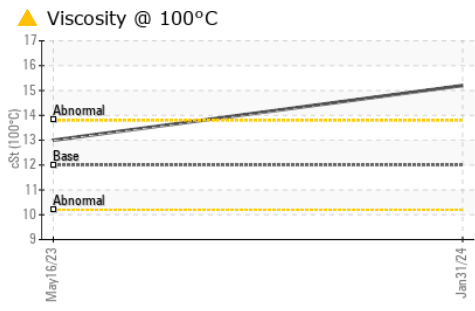
Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. La viscosité de l'échantillon se situe dans la portée de l'SAE 40; nous vous conseillons de vérifier. Ceci, en plus des niveaux d'additifs, indique que la marque ou le type d'huile ne correspond pas à ce qui a été signalé. L'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0846902	WC0776079	---
Sample Date		Client Info		31 Jan 2024	16 May 2023	---
Machine Age	kms	Client Info		865504	813357	---
Oil Age	kms	Client Info		50521	47430	---
Filter Age	kms	Client Info		50521	47430	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---

PQ		ASTM D8184*	>80	0	4	---
Iron	ppm	ASTM D5185(m)	>65	▲ 75	▲ 128	---
Chromium	ppm	ASTM D5185(m)	>5	4	▲ 6	---
Nickel	ppm	ASTM D5185(m)	>3	<1	1	---
Titanium	ppm	ASTM D5185(m)	>5	0	<1	---
Silver	ppm	ASTM D5185(m)	>2	0	0	---
Aluminum	ppm	ASTM D5185(m)	>35	▲ 40	▲ 50	---
Lead	ppm	ASTM D5185(m)	>10	<1	<1	---
Copper	ppm	ASTM D5185(m)	>180	10	25	---
Tin	ppm	ASTM D5185(m)	>8	<1	1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

Silicon	ppm	ASTM D5185(m)	>15	8	▲ 22	---
Potassium	ppm	ASTM D5185(m)	>20	6	4	---
Fuel		WC Method	>3.0	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol	%	ASTM D7922*		0.0	NEG	---
Soot %	%	ASTM D7844*	>3	1.5	1	---
Nitration	Abs/cm	ASTM D7624*	>20	14.1	14.9	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	33.4	29.5	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

Sodium	ppm	ASTM D5185(m)		6	15	---
Boron	ppm	ASTM D5185(m)	2	9	16	---
Barium	ppm	ASTM D5185(m)	0	0	0	---
Molybdenum	ppm	ASTM D5185(m)	50	30	65	---
Manganese	ppm	ASTM D5185(m)	0	<1	2	---
Magnesium	ppm	ASTM D5185(m)	950	486	1222	---
Calcium	ppm	ASTM D5185(m)	1050	2036	1003	---
Phosphorus	ppm	ASTM D5185(m)	995	1052	1201	---
Zinc	ppm	ASTM D5185(m)	1180	1244	1330	---
Sulfur	ppm	ASTM D5185(m)	2600	2941	2574	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	27.4	▲ 30.3	---
Base Number (BN)	mg KOH/g	ASTM D2896*		5.09	6.31	---
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	▲ 15.2	13.0	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0846902 **Received** : 16 Feb 2024
Lab Number : 02616155 **Tested** : 20 Feb 2024
Unique Number : 5733265 **Diagnosed** : 20 Feb 2024 - Kevin Marson
Test Package : MOB 2 (Additional Tests: Glycol, PQ)

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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.