



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	ANORMAL
ÉTAT DU FLUIDE	NORMAL

Identité de la machine

331

Composant

Moteur diesel

Fluid

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

RECOMMENDATION

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Oil and filter change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		WC0894317	WC	---
Date d'échant.		Client Info		11 Jan 2024	29 Mar 2022	---
Âge d la Machine	kms	Client Info		869467	0	---
Âge de l'huile	kms	Client Info		7479	0	---
Âge du filtre	kms	Client Info		7479	0	---
Huile changée		Client Info		Changed	N/A	---
Filtre changé		Client Info		Changed	N/A	---
Statut de l'échant.				ABNORMAL	NORMAL	---

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>165	8	13	---
Chrome	ppm	ASTM D5185(m)	>5	0	<1	---
Nickel	ppm	ASTM D5185(m)	>4	1	0	---
Titane	ppm	ASTM D5185(m)	>2	0	0	---
Argent	ppm	ASTM D5185(m)	>2	0	0	---
Aluminium	ppm	ASTM D5185(m)	>20	4	2	---
Plomb	ppm	ASTM D5185(m)	>150	<1	<1	---
Cuivre	ppm	ASTM D5185(m)	>90	10	<1	---
Étain	ppm	ASTM D5185(m)	>5	<1	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

There is a moderate concentration of dirt present in the oil.

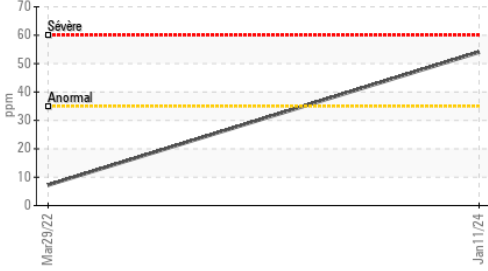
Silicium	ppm	ASTM D5185(m)	>35	▲ 54	7	---
Potassium	ppm	ASTM D5185(m)	>20	2	4	---
Essence		WC Method	>3.0	<1.0	0.4	---
L'eau		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
% de suie	%	ASTM D7844*	>7.5	0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	4.6	9.7	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	22.0	22.3	---
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	---

ÉTAT DU FLUIDE

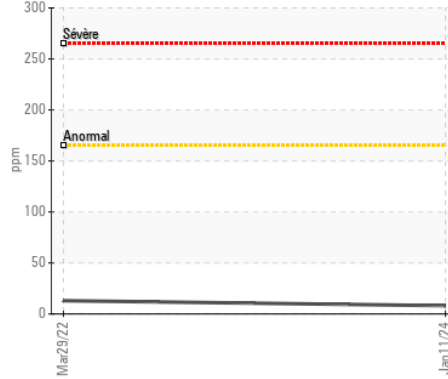
Additive levels indicate the addition of a different brand, or type of oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185(m)		3	3	---
Bore	ppm	ASTM D5185(m)	2	281	26	---
Baryum	ppm	ASTM D5185(m)	0	6	0	---
Molybdène	ppm	ASTM D5185(m)	50	104	14	---
Manganèse	ppm	ASTM D5185(m)	0	1	<1	---
Magnésium	ppm	ASTM D5185(m)	950	568	217	---
Calcium	ppm	ASTM D5185(m)	1050	1675	2138	---
Phosphore	ppm	ASTM D5185(m)	995	725	1008	---
Zinc	ppm	ASTM D5185(m)	1180	797	1182	---
Soufre	ppm	ASTM D5185(m)	2600	2318	3086	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	14.3	14.8	---
Indice d'alcalinité	mg KOH/g	ASTM D2896*		10.69	6.63	---
Visc 100°C	cSt	ASTM D7279(m)	12.00	13.7	11.3	---

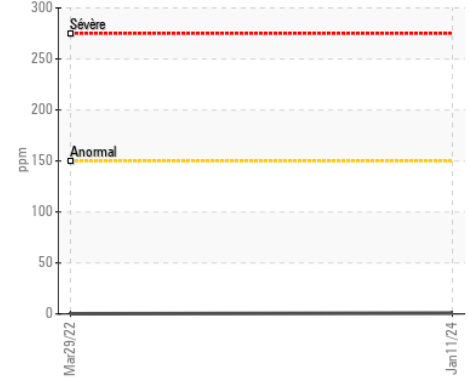
▲ Silicium (ppm)



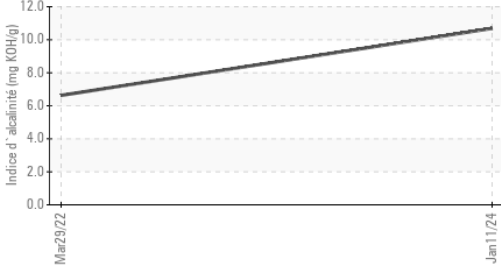
Fer (ppm)



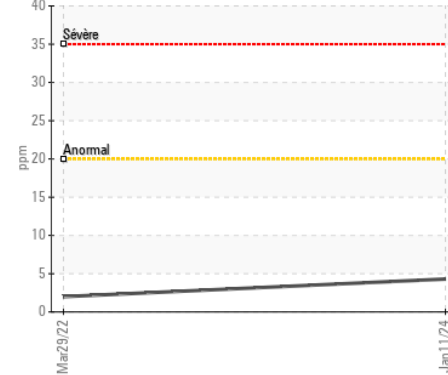
Plomb (ppm)



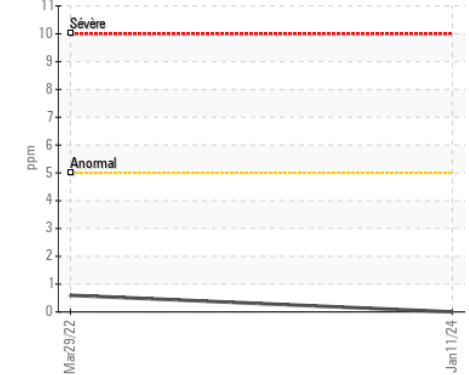
Indice d'alcalinité



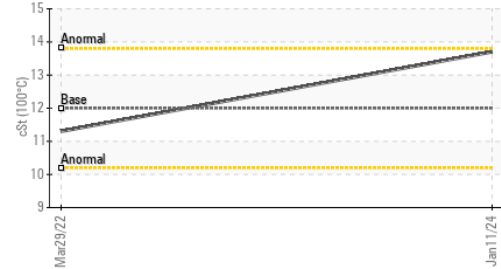
Aluminium (ppm)



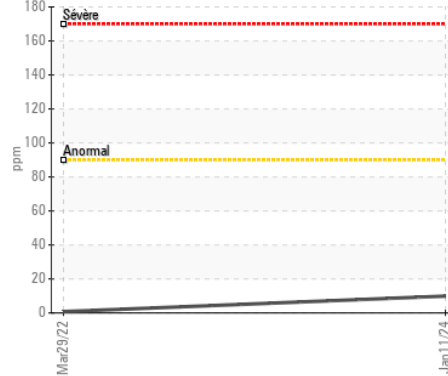
Chrome (ppm)



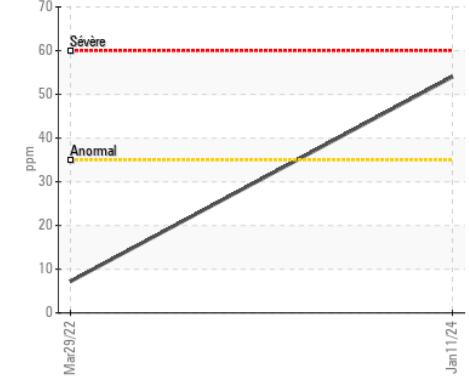
Viscosité 100°C



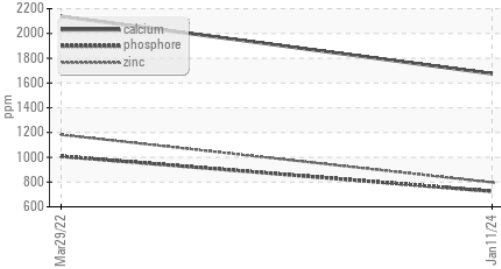
Cuivre (ppm)



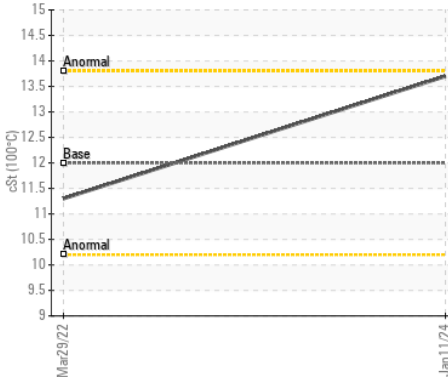
▲ Silicium (ppm)



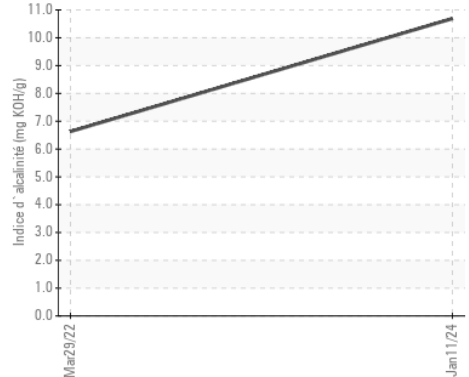
Additifs



Viscosité 100°C



Indice d'alcalinité



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0894317 **Reçu** : 19 Jan 2024
N° de laboratoire : 02609935 **Diagnostiqué** : 22 Jan 2024
Numéro unique : 5711021 **Diagnostiqueur** : Kevin Marson
Analyse : MOB 2

Moncton - Transport Laberge
 180 Edinburg Drive, Suite 1A
 Moncton, NB
 CA E1E 2K7
 Contact: Service Manager

Pour discuter ce rapport, contacter le service à la clientèle au 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada.

T:
F: