



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	ATTENTION

Identité de la machine

431

Composant

Moteur diesel

Fluid

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

RECOMMENDATION

Check for low coolant level. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		WC0879656	WC0831686	---
Date d'échant.		Client Info		11 Dec 2023	14 Sep 2023	---
Âge d la Machine	kms	Client Info		842435	842435	---
Âge de l'huile	kms	Client Info		17720	17720	---
Âge du filtre	kms	Client Info		17720	17720	---
Huile changée		Client Info		Changed	N/A	---
Filtre changé		Client Info		Changed	N/A	---
Statut de l'échant.				ATTENTION	ABNORMAL	---

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>200	16	36	---
Chrome	ppm	ASTM D5185(m)	>20	<1	3	---
Nickel	ppm	ASTM D5185(m)	>2	<1	0	---
Titane	ppm	ASTM D5185(m)	>2	0	0	---
Argent	ppm	ASTM D5185(m)	>2	0	<1	---
Aluminium	ppm	ASTM D5185(m)	>30	4	10	---
Plomb	ppm	ASTM D5185(m)	>30	0	<1	---
Cuivre	ppm	ASTM D5185(m)	>30	1	2	---
Étain	ppm	ASTM D5185(m)	>15	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

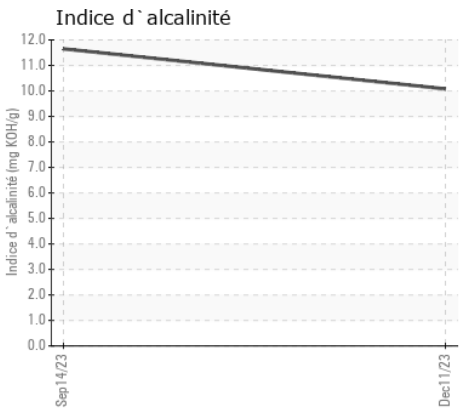
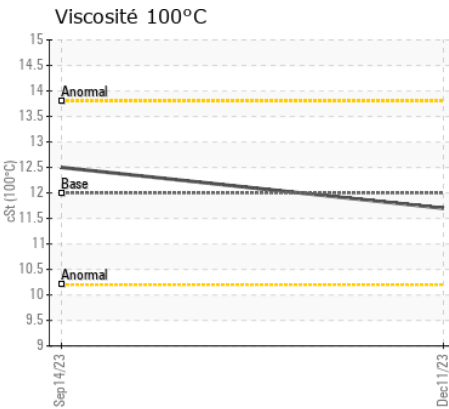
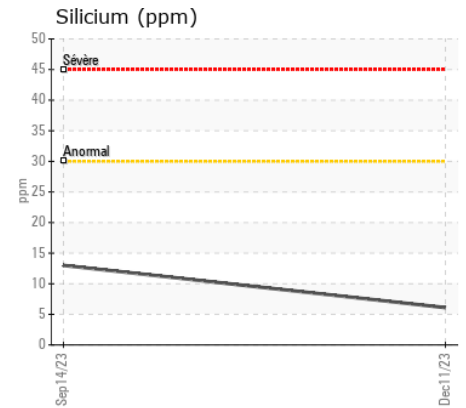
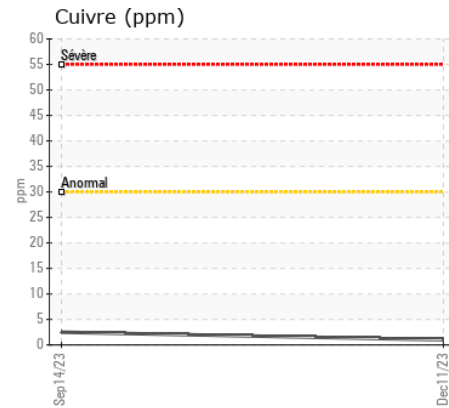
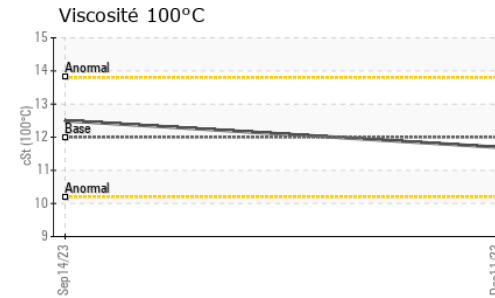
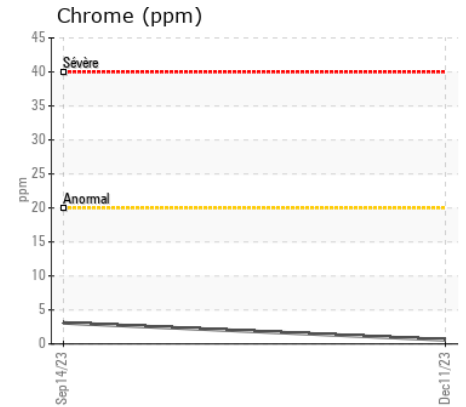
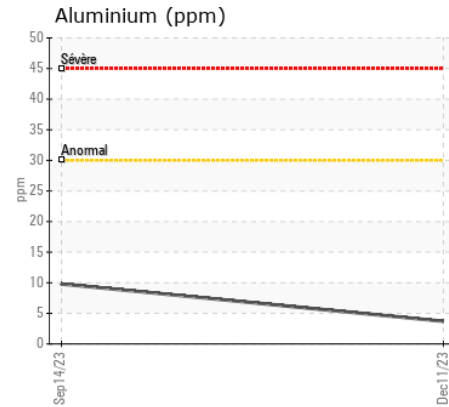
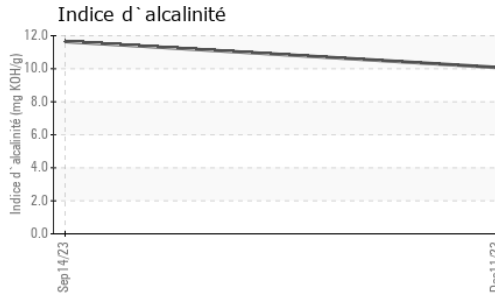
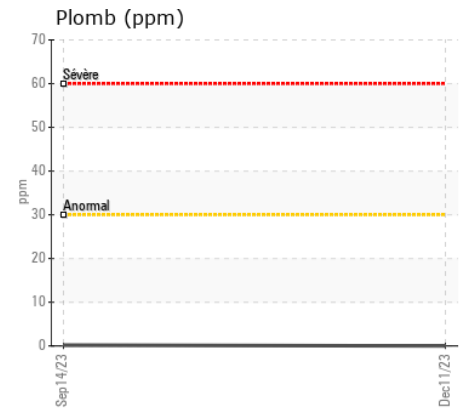
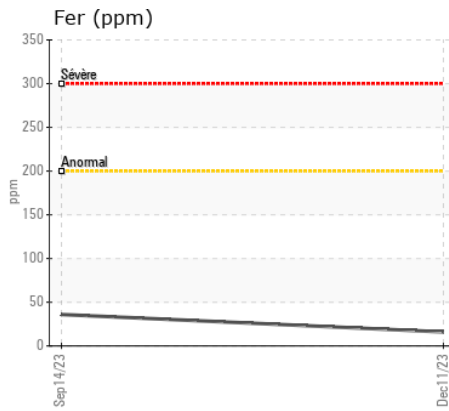
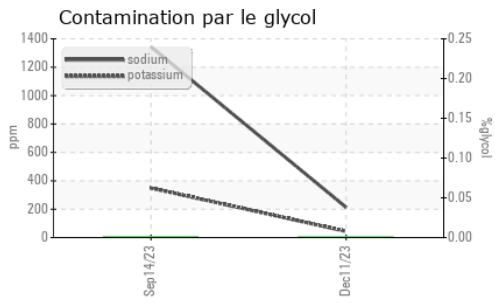
Water treatment chemicals present, indicating slow coolant leak. Test for glycol is negative. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>30	6	13	---
Potassium	ppm	ASTM D5185(m)	>20	44	▲ 349	---
Essence		WC Method	>3.0	<1.0	<1.0	---
L'eau		WC Method	>0.2	NEG	NEG	---
Glycol	%	ASTM D7922*		0.0	0.0	---
% de suie	%	ASTM D7844*	>3	0.7	1.8	---
Nitration	Abs/cm	ASTM D7624*	>20	5.8	13.3	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	18.8	24.5	---
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	---

ÉTAT DU FLUIDE

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service (see recommendation).

Sodium	ppm	ASTM D5185(m)		▲ 213	▲ 1344	---
Bore	ppm	ASTM D5185(m)	2	8	13	---
Baryum	ppm	ASTM D5185(m)	0	0	<1	---
Molybdène	ppm	ASTM D5185(m)	50	69	145	---
Manganèse	ppm	ASTM D5185(m)	0	0	<1	---
Magnésium	ppm	ASTM D5185(m)	950	923	924	---
Calcium	ppm	ASTM D5185(m)	1050	1029	1059	---
Phosphore	ppm	ASTM D5185(m)	995	991	992	---
Zinc	ppm	ASTM D5185(m)	1180	1125	1183	---
Soufre	ppm	ASTM D5185(m)	2600	2751	2617	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	12.4	15.4	---
Indice d'alcalinité	mg KOH/g	ASTM D2896*		10.08	11.65	---
Visc 100°C	cSt	ASTM D7279(m)	12.00	11.7	12.5	---



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0879656 **Reçu** : 22 Jan 2024
N° de laboratoire : 02610113 **Diagnostiqué** : 23 Jan 2024
Numéro unique : 5711199 **Diagnostiqueur** : Kevin Marson
Analyse : MOB 2 (Additional Tests: Glycol)

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 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.

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