



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Identité de la machine

3305

Composant

Moteur diesel

Fluid

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

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		WC0890006	WC0877572	WC0857903
Date d'échant.		Client Info		04 Jan 2024	23 Nov 2023	10 Oct 2023
Âge d la Machine	mls	Client Info		63980	22758	21572
Âge de l'huile	mls	Client Info		19650	22758	21572
Âge du filtre	mls	Client Info		19650	22758	21572
Huile changée		Client Info		Changed	Changed	Changed
Filtre changé		Client Info		Changed	Changed	Changed
Statut de l'échant.				NORMAL	NORMAL	NORMAL

USURE

Metal levels are typical for a new component breaking in.

Fer	ppm	ASTM D5185(m)	>90	19	25	39
Chrome	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titane	ppm	ASTM D5185(m)	>2	0	0	0
Argent	ppm	ASTM D5185(m)	>2	0	0	<1
Aluminium	ppm	ASTM D5185(m)	>20	7	9	8
Plomb	ppm	ASTM D5185(m)	>40	0	0	<1
Cuivre	ppm	ASTM D5185(m)	>330	1	2	14
Étain	ppm	ASTM D5185(m)	>15	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

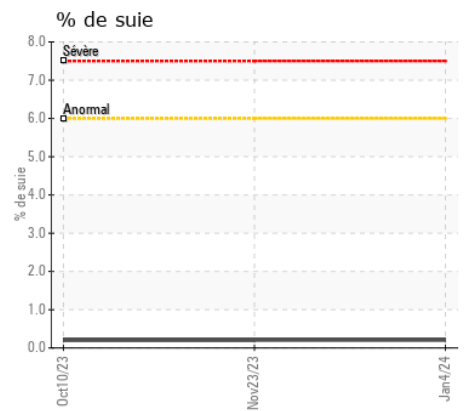
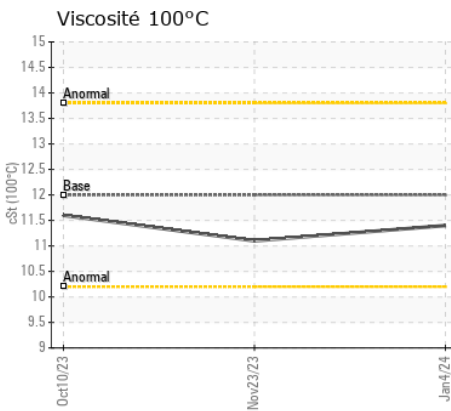
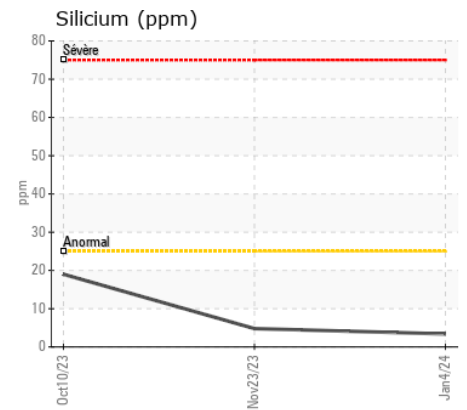
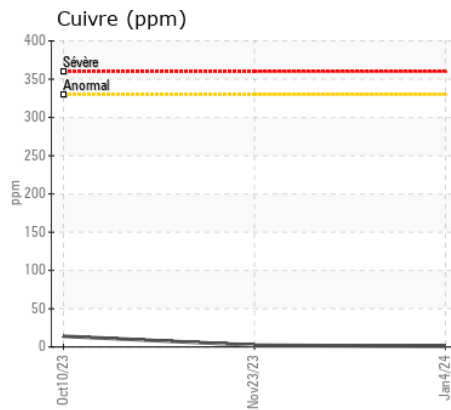
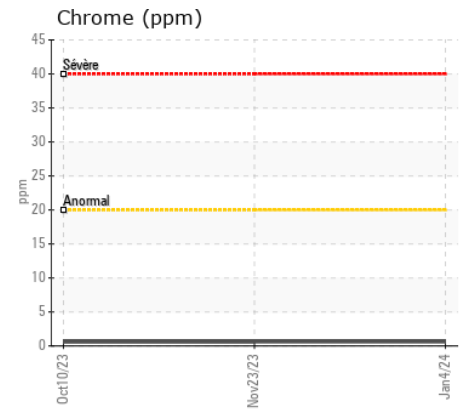
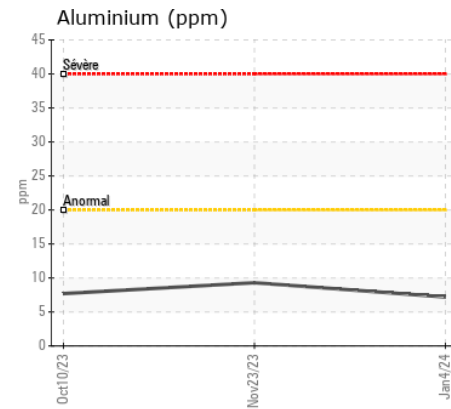
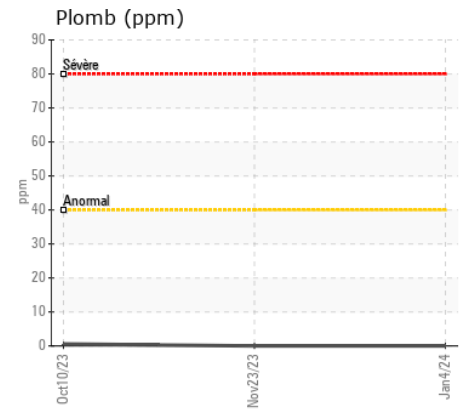
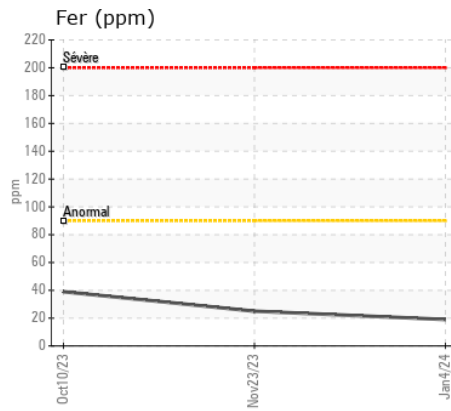
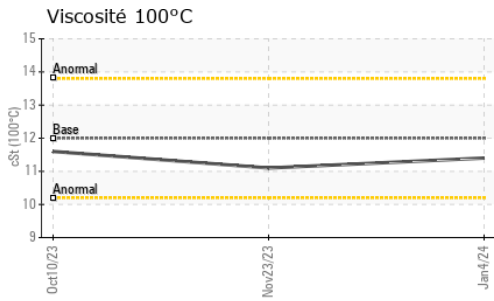
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	3	5	19
Potassium	ppm	ASTM D5185(m)	>20	10	13	8
Essence		WC Method	>3.0	<1.0	<1.0	<1.0
L'eau		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
% de suie	%	ASTM D7844*	>6	0.2	0.2	0.2
Nitration	Abs/cm	ASTM D7624*	>20	8.7	9.0	10.6
Sulfatation	Abs/.1mm	ASTM D7415*	>30	19.9	19.7	21.6
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	NEG

ÉTAT DU FLUIDE

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<1	1	6
Bore	ppm	ASTM D5185(m)	2	2	7	26
Baryum	ppm	ASTM D5185(m)	0	0	<1	5
Molybdène	ppm	ASTM D5185(m)	50	59	58	50
Manganèse	ppm	ASTM D5185(m)	0	0	<1	3
Magnésium	ppm	ASTM D5185(m)	950	968	909	845
Calcium	ppm	ASTM D5185(m)	1050	1163	1276	1200
Phosphore	ppm	ASTM D5185(m)	995	1017	983	759
Zinc	ppm	ASTM D5185(m)	1180	1194	1156	899
Soufre	ppm	ASTM D5185(m)	2600	2754	2796	1924
Oxydation	Abs/.1mm	ASTM D7414*	>25	16.4	16.5	20.8
Visc 100°C	cSt	ASTM D7279(m)	12.00	11.4	11.1	11.6



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0890006 **Reçu** : 22 Jan 2024
N° de laboratoire : 02610233 **Diagnostiqué** : 23 Jan 2024
Numéro unique : 5711319 **Diagnostiqueur** : Wes Davis
Analyse : MOB 1

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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.