



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Secteur
52000 Series
 Identité de la machine
52960

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		WC0877571	WC0857916	WC0771255
Date d'échant.		Client Info		25 Nov 2023	23 Sep 2023	07 Jan 2023
Âge d la Machine	mls	Client Info		61957	34804	408565
Âge de l'huile	mls	Client Info		26677	34804	15007
Âge du filtre	mls	Client Info		26677	34804	15007
Huile changée		Client Info		Changed	Changed	Changed
Filtre changé		Client Info		Changed	Changed	Changed
Statut de l'échant.				NORMAL	NORMAL	ABNORMAL

USURE

Metal levels are typical for a new component breaking in.

Fer	ppm	ASTM D5185(m)	>100	26	51	▲ 125
Chrome	ppm	ASTM D5185(m)	>20	1	2	1
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	0
Titane	ppm	ASTM D5185(m)		0	0	<1
Argent	ppm	ASTM D5185(m)	>3	<1	1	0
Aluminium	ppm	ASTM D5185(m)	>20	16	46	3
Plomb	ppm	ASTM D5185(m)	>40	4	6	3
Cuivre	ppm	ASTM D5185(m)	>330	4	20	1
Étain	ppm	ASTM D5185(m)	>15	2	4	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

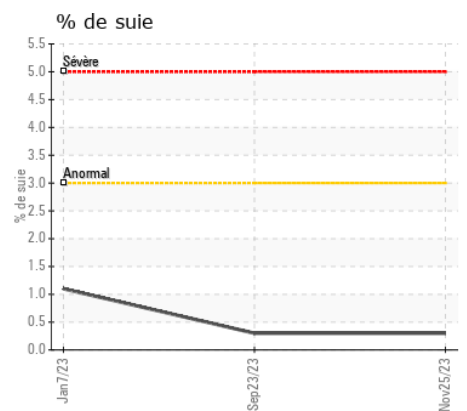
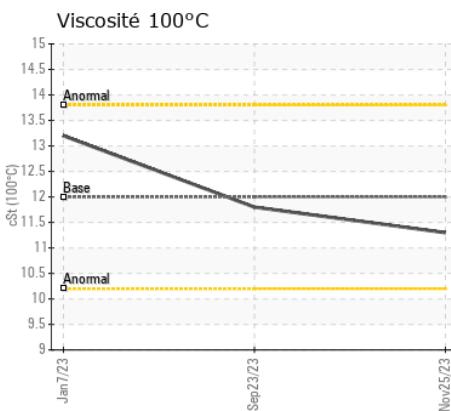
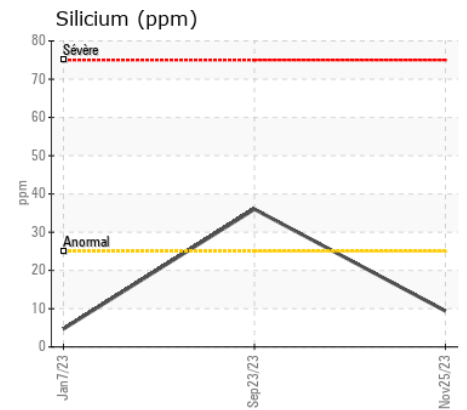
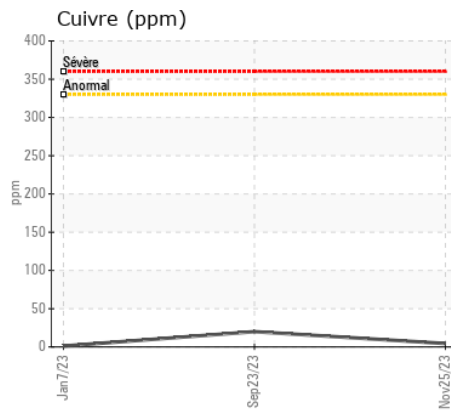
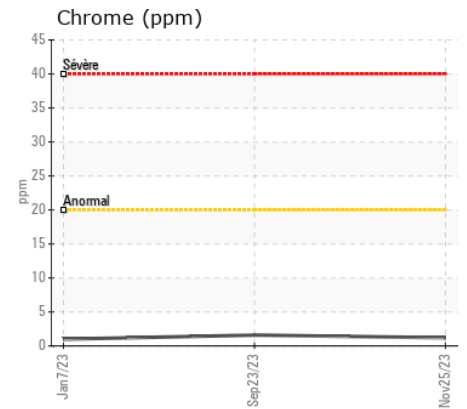
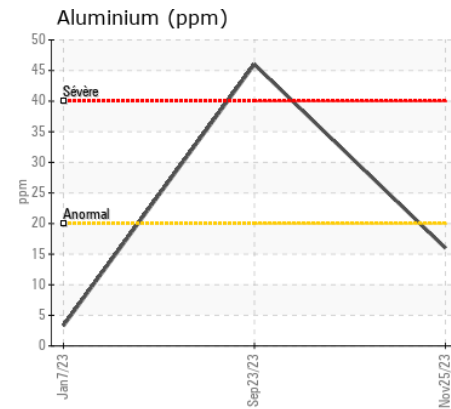
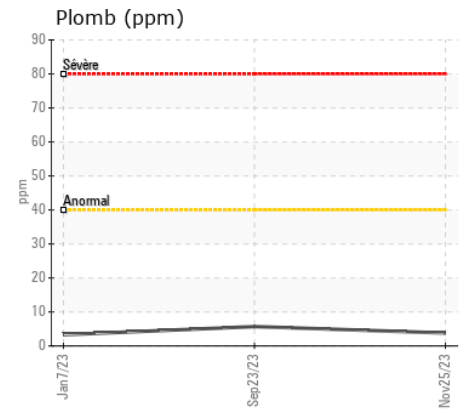
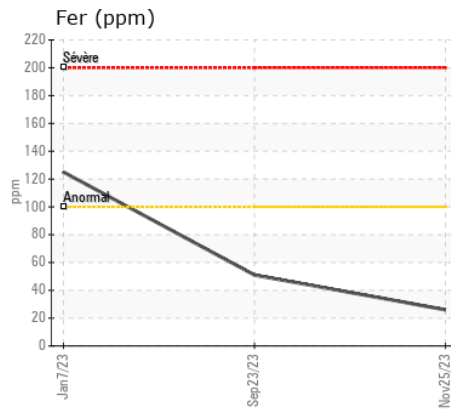
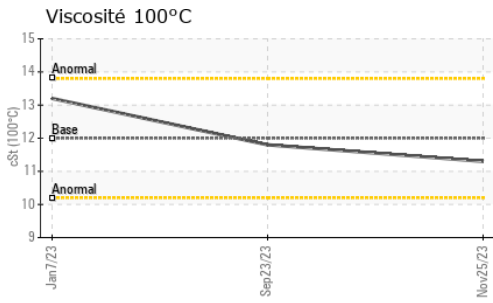
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	9	36	5
Potassium	ppm	ASTM D5185(m)	>20	33	124	<1
Essence		WC Method	>5	<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*	>3	0.3	0.3	1.1
Nitration	Abs/cm	ASTM D7624*	>20	9.5	9.5	12.1
Sulfatation	Abs/.1mm	ASTM D7415*	>30	20.7	22.5	23.8
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)		2	5	2
Bore	ppm	ASTM D5185(m)	2	3	31	5
Baryum	ppm	ASTM D5185(m)	0	<1	5	0
Molybdène	ppm	ASTM D5185(m)	50	63	62	64
Manganèse	ppm	ASTM D5185(m)	0	<1	4	<1
Magnésium	ppm	ASTM D5185(m)	950	970	451	1022
Calcium	ppm	ASTM D5185(m)	1050	1159	1741	1197
Phosphore	ppm	ASTM D5185(m)	995	1008	951	1158
Zinc	ppm	ASTM D5185(m)	1180	1234	1186	1283
Soufre	ppm	ASTM D5185(m)	2600	2409	2270	2720
Oxydation	Abs/.1mm	ASTM D7414*	>25	17.3	19.6	19.9
Visc 100°C	cSt	ASTM D7279(m)	12.00	11.3	11.8	13.2



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0877571
N° de laboratoire : 02604055
Numéro unique : 5697140
Analyse : MOB 1

Reçu : 19 Dec 2023
Diagnostiqué : 19 Dec 2023
Diagnostiqueur : Wes Davis

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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.