



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Identité de la machine

52883

Composant

Moteur diesel

Fluid

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

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		WC0889996	WC0857902	WC0787328
Date d'échant.		Client Info		09 Feb 2024	10 Oct 2023	24 Mar 2023
Âge d la Machine	mls	Client Info		323108	27308	263782
Âge de l'huile	mls	Client Info		32275	27308	26609
Âge du filtre	mls	Client Info		32275	27308	26609
Huile changée		Client Info		Changed	Changed	Changed
Filtre changé		Client Info		Changed	Changed	Changed
Statut de l'échant.				NORMAL	NORMAL	NORMAL

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>90	22	21	14
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	<1
Argent	ppm	ASTM D5185(m)	>2	0	<1	0
Aluminium	ppm	ASTM D5185(m)	>20	8	6	3
Plomb	ppm	ASTM D5185(m)	>40	6	3	4
Cuivre	ppm	ASTM D5185(m)	>330	1	2	1
Étain	ppm	ASTM D5185(m)	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

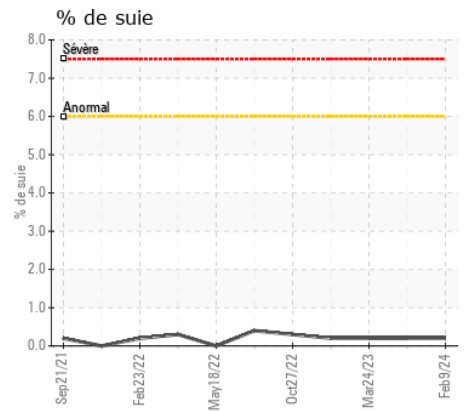
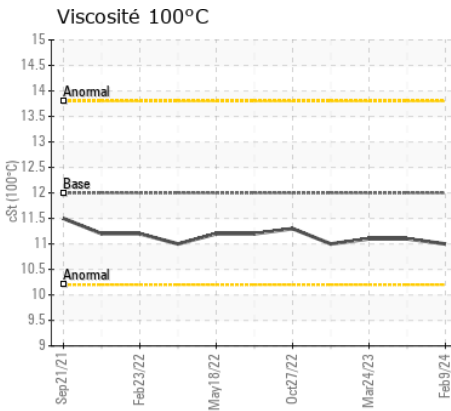
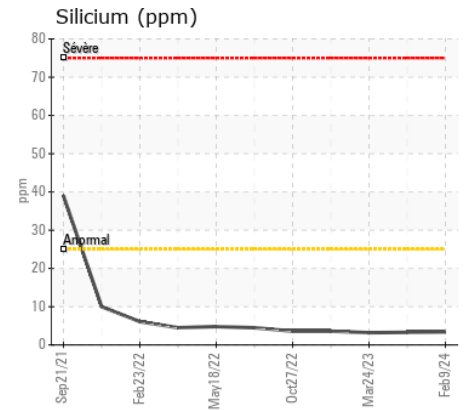
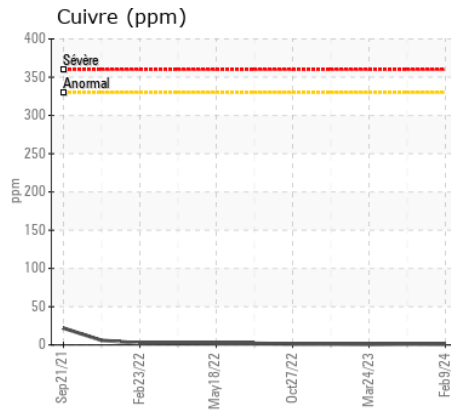
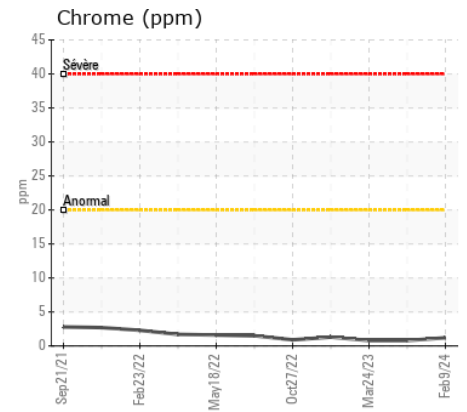
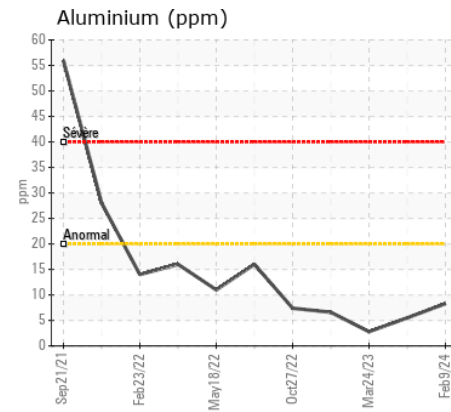
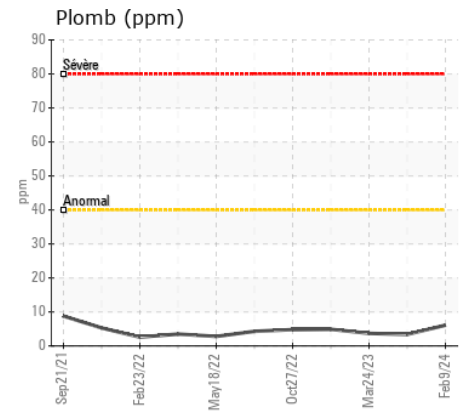
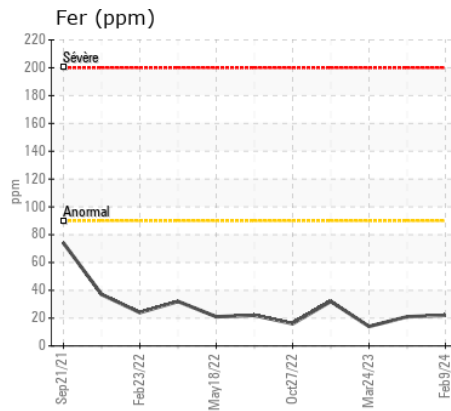
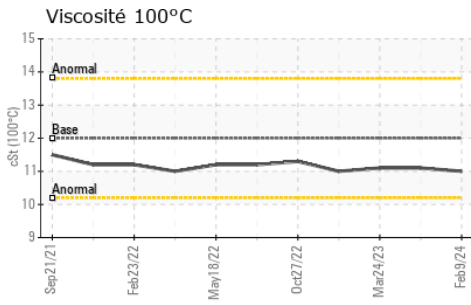
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	3	3	3
Potassium	ppm	ASTM D5185(m)	>20	17	8	2
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	9.5	9.1	9.1
Sulfatation	Abs/.1mm	ASTM D7415*	>30	20.6	20.5	20.2
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	2	2
Bore	ppm	ASTM D5185(m)	2	1	4	2
Baryum	ppm	ASTM D5185(m)	0	0	<1	0
Molybdène	ppm	ASTM D5185(m)	50	58	61	60
Manganèse	ppm	ASTM D5185(m)	0	0	0	<1
Magnésium	ppm	ASTM D5185(m)	950	956	960	945
Calcium	ppm	ASTM D5185(m)	1050	1210	1051	1142
Phosphore	ppm	ASTM D5185(m)	995	1028	1002	1063
Zinc	ppm	ASTM D5185(m)	1180	1189	1201	1206
Soufre	ppm	ASTM D5185(m)	2600	2798	2460	2531
Oxydation	Abs/.1mm	ASTM D7414*	>25	18.1	16.3	17.0
Visc 100°C	cSt	ASTM D7279(m)	12.00	11.0	11.1	11.1



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0889996
N° de laboratoire : 02617359
Numéro unique : 5734469
Analyse : MOB 1

Reçu : 22 Feb 2024
Tested : 22 Feb 2024
Diagnostiqué : 22 Feb 2024 - 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.