



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Identité de la machine

3304

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		WC0889992	WC0877578	WC0857932
Date d'échant.		Client Info		03 Feb 2024	01 Dec 2023	14 Oct 2023
Âge d la Machine	hrs	Client Info		84453	61256	41863
Âge de l'huile	hrs	Client Info		23197	19317	18765
Âge du filtre	hrs	Client Info		23197	19317	18765
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	19	20
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	<1	<1
Aluminium	ppm	ASTM D5185(m)	>20	11	10	13
Plomb	ppm	ASTM D5185(m)	>40	0	<1	<1
Cuivre	ppm	ASTM D5185(m)	>330	1	2	2
Étain	ppm	ASTM D5185(m)	>15	<1	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

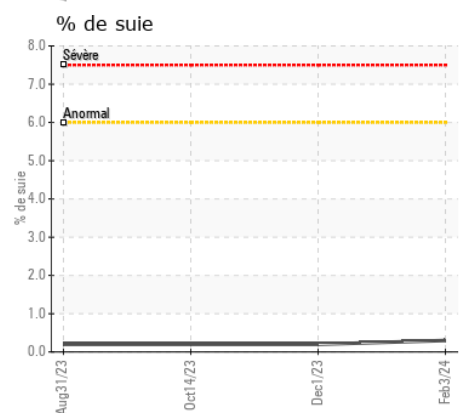
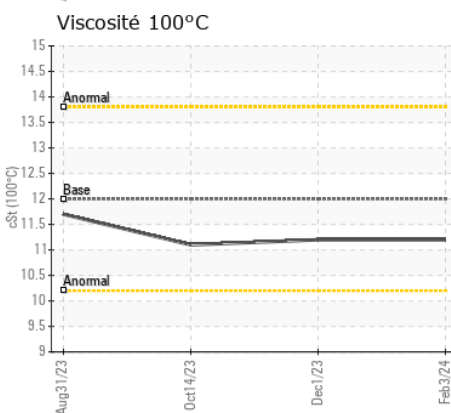
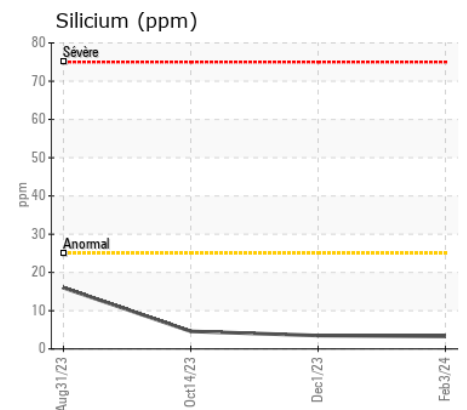
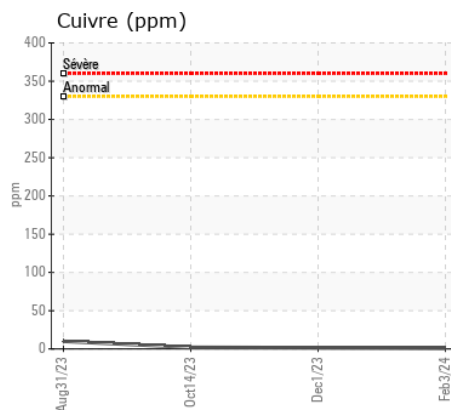
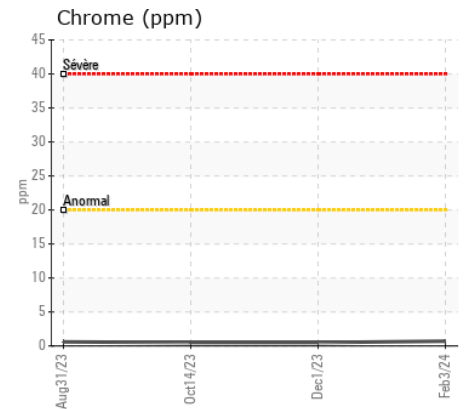
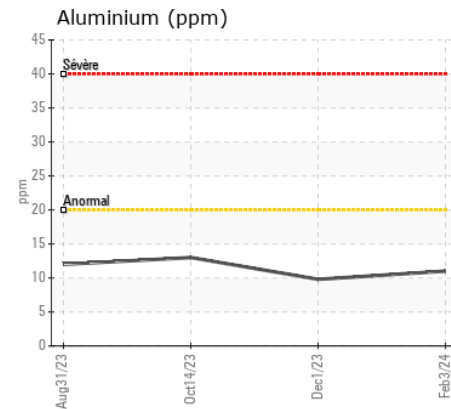
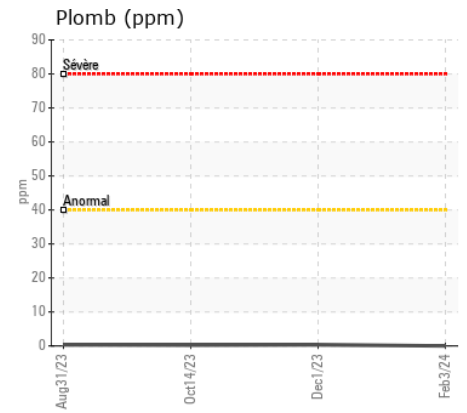
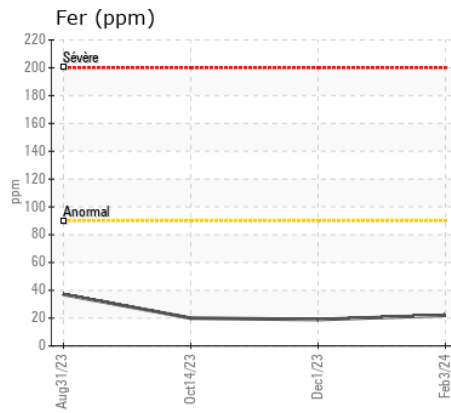
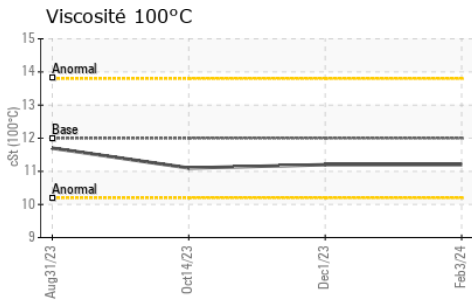
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	3	4	5
Potassium	ppm	ASTM D5185(m)	>20	14	11	20
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	0.3	0.2	0.2
Nitration	Abs/cm	ASTM D7624*	>20	9.3	8.2	7.9
Sulfatation	Abs/.1mm	ASTM D7415*	>30	20.5	19.4	19.7
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	2	3
Baryum	ppm	ASTM D5185(m)	0	0	<1	<1
Molybdène	ppm	ASTM D5185(m)	50	60	58	58
Manganèse	ppm	ASTM D5185(m)	0	0	0	<1
Magnésium	ppm	ASTM D5185(m)	950	997	955	941
Calcium	ppm	ASTM D5185(m)	1050	1141	1239	1123
Phosphore	ppm	ASTM D5185(m)	995	1049	1001	981
Zinc	ppm	ASTM D5185(m)	1180	1224	1213	1177
Soufre	ppm	ASTM D5185(m)	2600	2720	2730	2559
Oxydation	Abs/.1mm	ASTM D7414*	>25	17.4	15.9	15.6
Visc 100°C	cSt	ASTM D7279(m)	12.00	11.2	11.2	11.1



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

N° d'échantillon : WC0889992

N° de laboratoire : 02614966

Numéro unique : 5724061

Analyse : MOB 1

Reçu : 12 Feb 2024

Tested : 12 Feb 2024

Diagnostiqué : 12 Feb 2024 - Wes Davis

MANITOU LIN TRANSPORT

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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.