



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Identité de la machine

3299

Composant

Moteur diesel

Fluid

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

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		WC0909580	WC0886673	WC0877580
Date d'échant.		Client Info		14 Mar 2024	06 Jan 2024	29 Nov 2023
Âge d la Machine	mls	Client Info		324327	430560	290494
Âge de l'huile	mls	Client Info		17026	21611	20128
Âge du filtre	mls	Client Info		17026	21611	20128
Huile changée		Client Info		Changed	Changed	Changed
Filtre changé		Client Info		Changed	Changed	Changed
Statut de l'échant.				NORMAL	ABNORMAL	NORMAL

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	16	84	18
Chrome	ppm	ASTM D5185(m)	>20	<1	4	<1
Nickel	ppm	ASTM D5185(m)	>4	0	<1	<1
Titane	ppm	ASTM D5185(m)		0	0	0
Argent	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminium	ppm	ASTM D5185(m)	>20	6	7	9
Plomb	ppm	ASTM D5185(m)	>40	0	2	<1
Cuivre	ppm	ASTM D5185(m)	>330	<1	8	<1
Étain	ppm	ASTM D5185(m)	>15	0	2	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

There is no indication of any contamination in the oil.

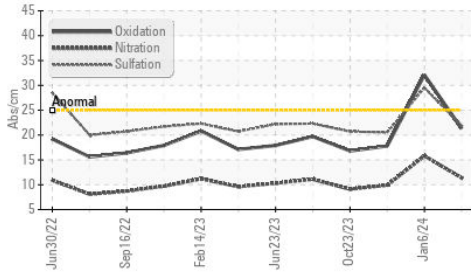
Silicium	ppm	ASTM D5185(m)	>25	2	20	3
Potassium	ppm	ASTM D5185(m)	>20	2	4	8
Essence		WC Method	>5	<1.0	<1.0	<1.0
L'eau		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	0.0
% de suie	%	ASTM D7844*	>3	0.3	0.8	0.4
Nitration	Abs/cm	ASTM D7624*	>20	11.4	15.8	9.9
Sulfatation	Abs/.1mm	ASTM D7415*	>30	21.9	29.5	20.5
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	NEG

ÉTAT DU FLUIDE

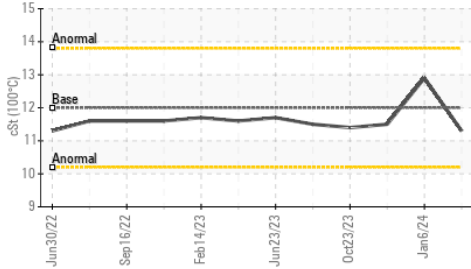
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		2	8	2
Bore	ppm	ASTM D5185(m)	2	1	7	9
Baryum	ppm	ASTM D5185(m)	0	0	3	<1
Molybdène	ppm	ASTM D5185(m)	50	60	54	58
Manganèse	ppm	ASTM D5185(m)	0	0	1	0
Magnésium	ppm	ASTM D5185(m)	950	986	934	909
Calcium	ppm	ASTM D5185(m)	1050	1073	1116	1383
Phosphore	ppm	ASTM D5185(m)	995	996	953	1024
Zinc	ppm	ASTM D5185(m)	1180	1214	1150	1250
Soufre	ppm	ASTM D5185(m)	2600	2417	2461	2771
Oxydation	Abs/.1mm	ASTM D7414*	>25	21.3	▲ 32.1	17.8
Visc 100°C	cSt	ASTM D7279(m)	12.00	11.3	12.9	11.5

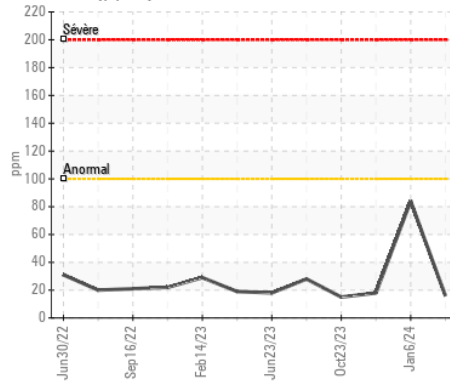
FT-IR (Direct Trend)



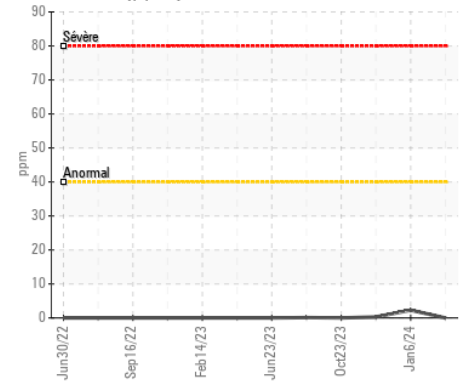
Viscosité 100°C



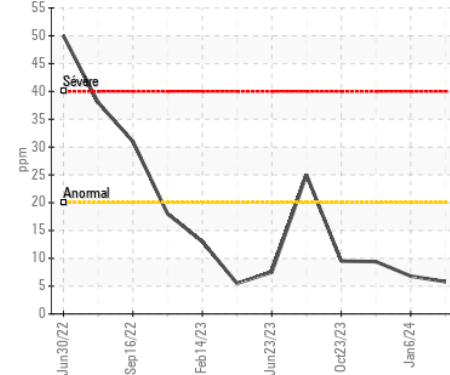
Fer (ppm)



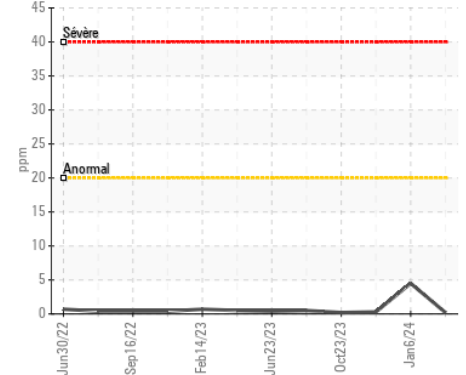
Plomb (ppm)



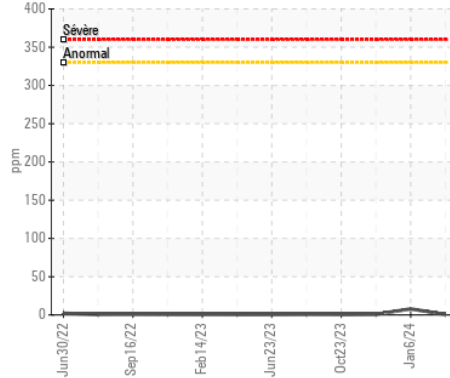
Aluminium (ppm)



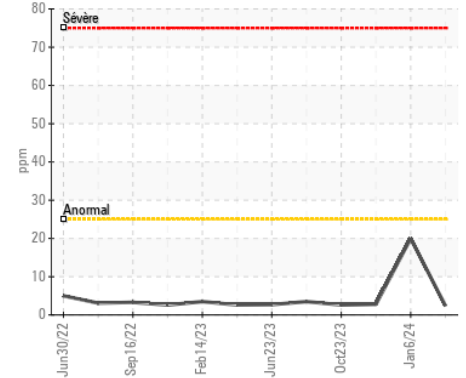
Chrome (ppm)



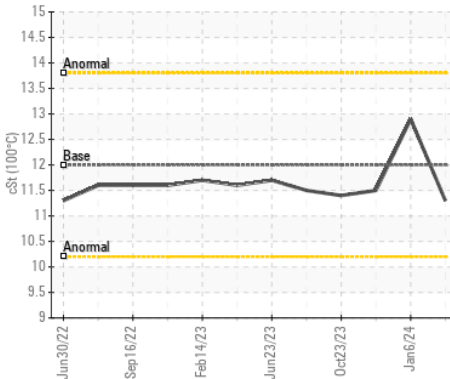
Cuivre (ppm)



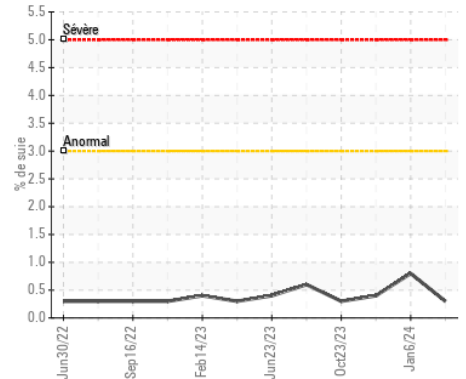
Silicium (ppm)



Viscosité 100°C



% de suie



ISO 17025:2017
Accredited
Laboratory

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

N° d'échantillon : WC0909580

N° de laboratoire : 02626892

Numéro unique : 5760024

Analyse : MOB 1

Reçu : 05 Apr 2024

Tested : 05 Apr 2024

Diagnostiqué : 05 Apr 2024 - Wes Davis

MANITOU LIN TRANSPORT

1890 DES SOURCES BOULEVARD

POINTE CLAIRE, QC

CA H9R 5B1

Contact: Eric Marcelin

emarcelin@manitoulintransport.com

T: (514)694-5111

F: (514)694-9739

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.