



Secteur

MICHAUDVILLE

Identité de la machine

6587

Composant

Moteur diesel

Fluide

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

RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		PC0082266	PC0060702	PC0059557
Date d'échant.		Client Info		02 Nov 2023	02 Nov 2022	10 Jan 2022
Âge d la Machine	hrs	Client Info		1668	1350	823
Âge de l'huile	hrs	Client Info		0	0	0
Âge du filtre	hrs	Client Info		0	0	0
Huile changée		Client Info		N/A	N/A	N/A
Filtre changé		Client Info		N/A	N/A	N/A
Statut de l'échant.				ABNORMAL	NORMAL	NORMAL

USURE

Iron ppm levels are abnormal. Cylinder, crank, or cam shaft wear is indicated.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184*		0	---	---
Fer	ppm	ASTM D5185(m)	>100	▲ 105	52	47
Chrome	ppm	ASTM D5185(m)	>20	2	1	2
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titane	ppm	ASTM D5185(m)		0	<1	0
Argent	ppm	ASTM D5185(m)	>3	<1	0	0
Aluminium	ppm	ASTM D5185(m)	>20	8	7	8
Plomb	ppm	ASTM D5185(m)	>40	<1	1	<1
Cuivre	ppm	ASTM D5185(m)	>330	5	5	8
Étain	ppm	ASTM D5185(m)	>15	2	2	3
Vanadium	ppm	ASTM D5185(m)		0	0	0
Métal blanc	scalar	Visual*	NONE	NONE	---	---
Bronze	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

There is no indication of any contamination in the oil.

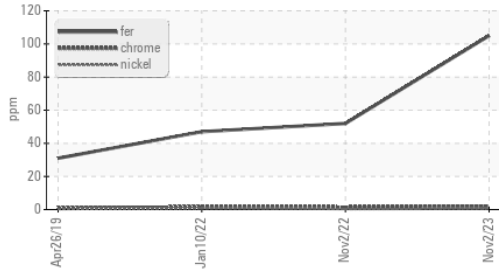
Silicium	ppm	ASTM D5185(m)	>25	11	9	12
Potassium	ppm	ASTM D5185(m)	>20	0	1	2
Essence		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
% de suie	%	ASTM D7844*	>3	0.4	0.2	0.3
Nitration	Abs/cm	ASTM D7624*	>20	8.9	8.5	9.2
Sulfatation	Abs/.1mm	ASTM D7415*	>30	19.1	19.8	20.6
Limon	scalar	Visual*	NONE	NONE	---	---
Débris	scalar	Visual*	NONE	NONE	---	---
Saleté	scalar	Visual*	NONE	NONE	---	---
Apparence	scalar	Visual*	NORML	NORML	---	---
Odeur	scalar	Visual*	NORML	NORML	NORML	NORML
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	NEG

ÉTAT DU FLUIDE

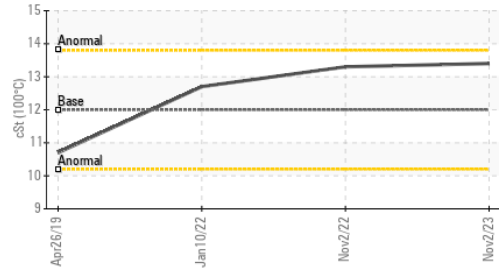
The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185(m)		2	2	2
Bore	ppm	ASTM D5185(m)	2	2	3	8
Baryum	ppm	ASTM D5185(m)	0	<1	0	0
Molybdène	ppm	ASTM D5185(m)	50	64	58	62
Manganèse	ppm	ASTM D5185(m)	0	<1	1	2
Magnésium	ppm	ASTM D5185(m)	950	1042	944	997
Calcium	ppm	ASTM D5185(m)	1050	1198	1113	1158
Phosphore	ppm	ASTM D5185(m)	995	1083	1101	1135
Zinc	ppm	ASTM D5185(m)	1180	1320	1206	1280
Soufre	ppm	ASTM D5185(m)	2600	2764	2675	2894
Oxydation	Abs/.1mm	ASTM D7414*	>25	15.6	15.7	16.3
Visc 40°C	cSt	ASTM D7279(m)	80.1	90.4	91.7	92.3
Visc 100°C	cSt	ASTM D7279(m)	12.00	13.4	13.3	12.7
Indice de viscosité (VI)	Scale	ASTM D2270*	144	149	145	134

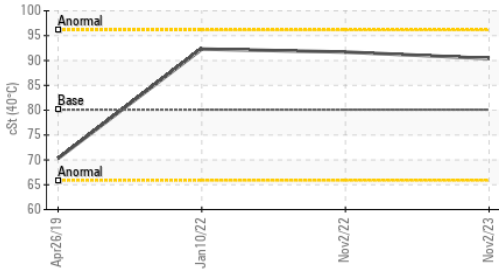
▲ Alliages ferreux



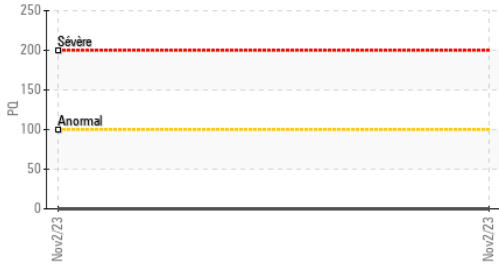
Viscosité 100°C



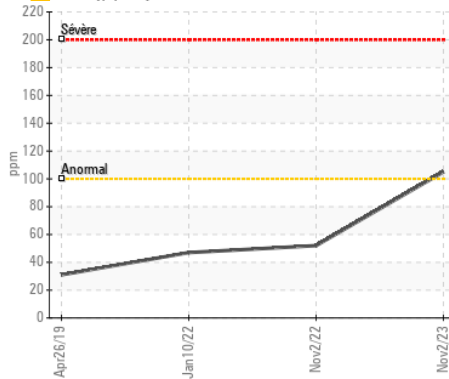
Viscosité 40°C



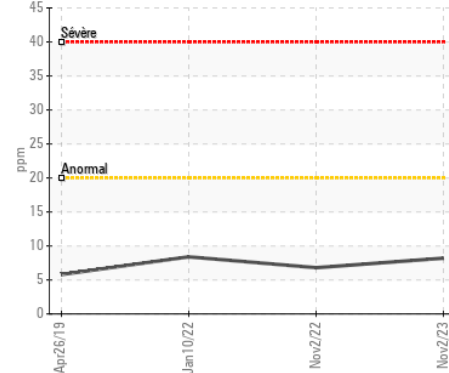
PQ



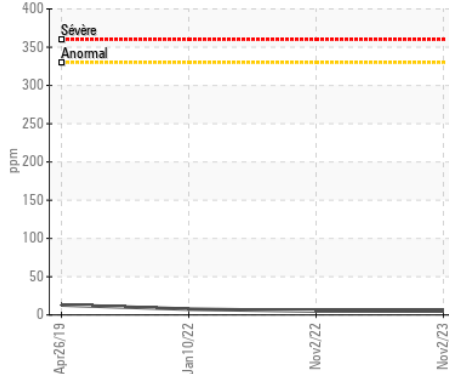
▲ Fer (ppm)



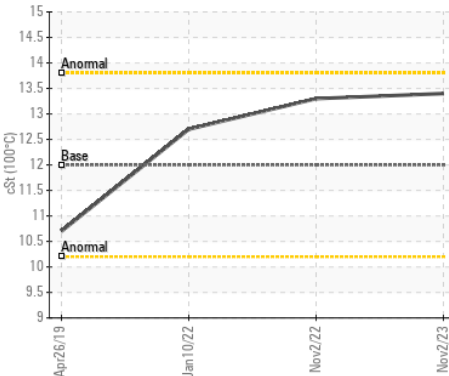
Aluminium (ppm)



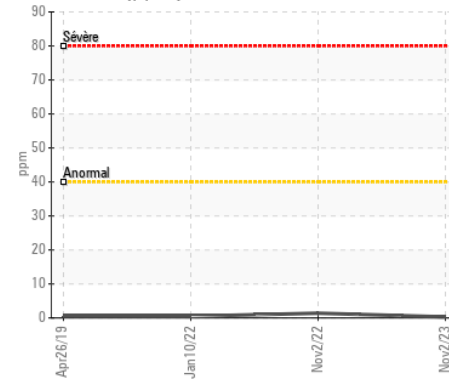
Cuivre (ppm)



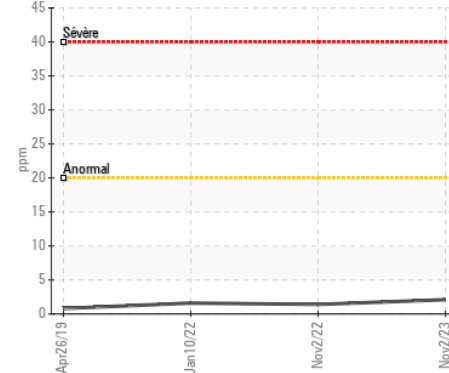
Viscosité 100°C



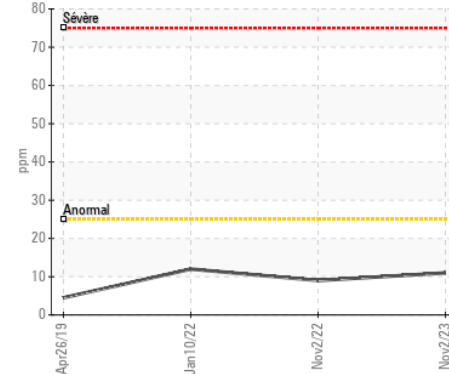
Plomb (ppm)



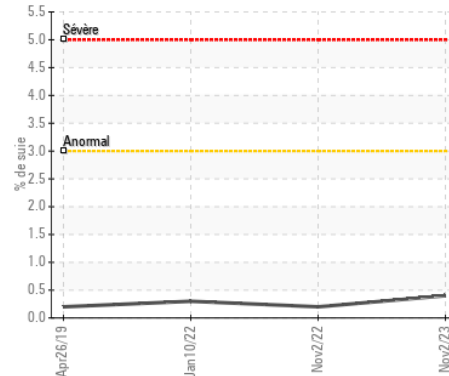
Chrome (ppm)



Silicium (ppm)



% de suie



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Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 LES ENTREPRISES MICHAUVILLE INC.
N° d'échantillon : PC0082266 **Reçu** : 03 Nov 2023
N° de laboratoire : 02593874 **Diagnostiqué** : 03 Nov 2023
Numéro unique : 5670953 **Diagnostiqueur** : Kevin Marson
Analyse : MOB 1 (Additional Tests: KV40, PQ, VI, Visual)

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.

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