



USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Secteur
MICHAUDVILLE

Identité de la machine

1589

Composant

Moteur diesel

Fluide

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

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.
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		PC0077367	PC0038925	PC0037707
Date d'échant.		Client Info		25 Jul 2023	17 Feb 2021	14 Oct 2020
Âge d la Machine	hrs	Client Info		11493	20361	417194
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	Changed	Changed
Filtre changé		Client Info		N/A	Changed	Changed
Statut de l'échant.				NORMAL	NORMAL	NORMAL

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	17	8	7
Chrome	ppm	ASTM D5185(m)	>20	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	0	<1	0
Titane	ppm	ASTM D5185(m)		0	0	0
Argent	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminium	ppm	ASTM D5185(m)	>20	3	2	2
Plomb	ppm	ASTM D5185(m)	>40	<1	1	2
Cuivre	ppm	ASTM D5185(m)	>330	4	1	<1
Étain	ppm	ASTM D5185(m)	>15	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

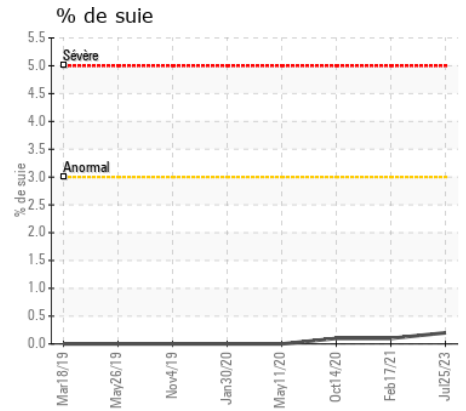
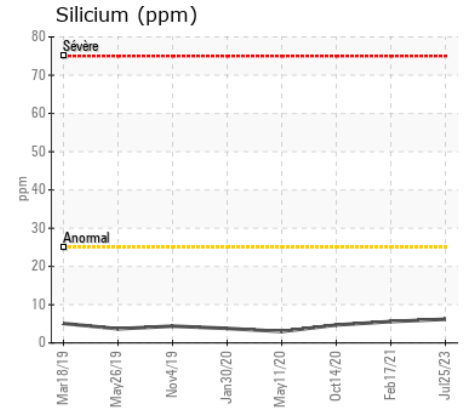
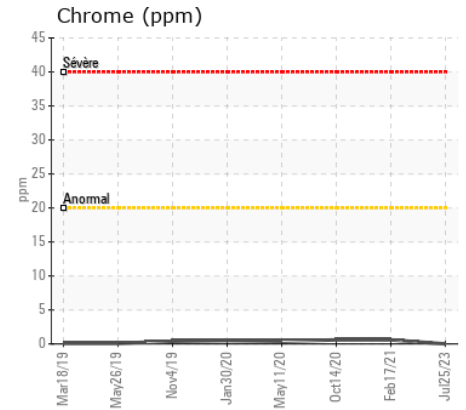
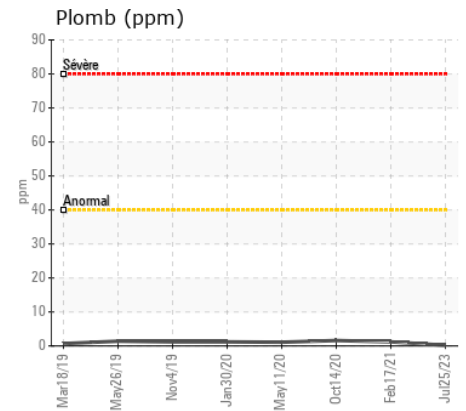
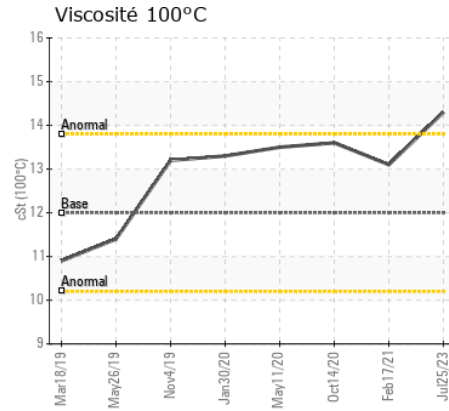
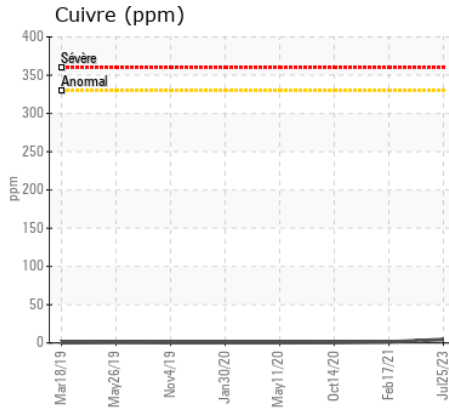
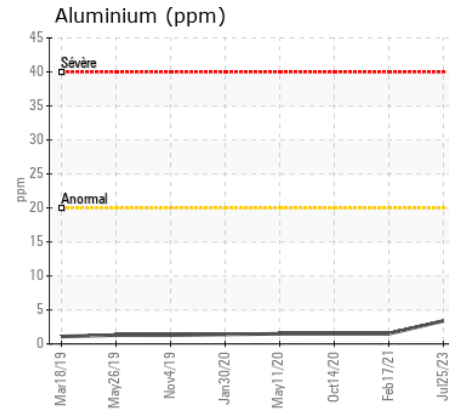
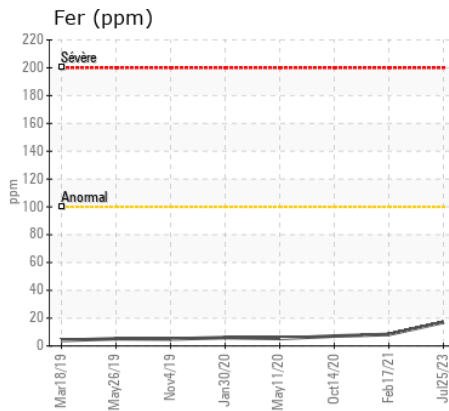
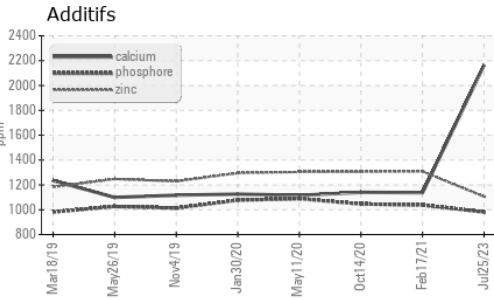
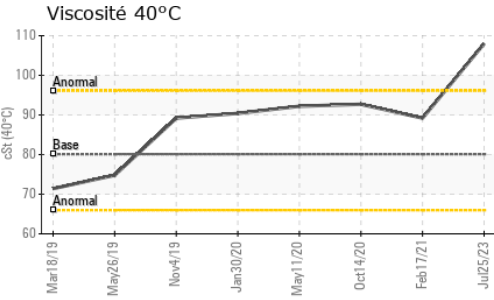
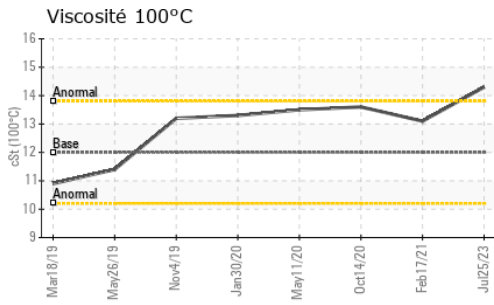
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	6	6	5
Potassium	ppm	ASTM D5185(m)	>20	3	<1	<1
Essence		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
% de suie	%	ASTM D7844*	>3	0.2	0.1	0.1
Nitration	Abs/cm	ASTM D7624*	>20	8.2	7.3	7.5
Sulfatation	Abs/.1mm	ASTM D7415*	>30	22.2	19.8	20.1
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	NEG

ÉTAT DU FLUIDE

Additive levels indicate the addition of a different brand, or type of oil.
Viscosity of sample indicates oil is within SAE 15W40 range, advise investigate. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		2	4	5
Bore	ppm	ASTM D5185(m)	2	22	2	1
Baryum	ppm	ASTM D5185(m)	0	0	0	0
Molybdène	ppm	ASTM D5185(m)	50	20	58	59
Manganèse	ppm	ASTM D5185(m)	0	<1	<1	<1
Magnésium	ppm	ASTM D5185(m)	950	136	996	993
Calcium	ppm	ASTM D5185(m)	1050	2164	1137	1140
Phosphore	ppm	ASTM D5185(m)	995	981	1038	1046
Zinc	ppm	ASTM D5185(m)	1180	1106	1308	1305
Soufre	ppm	ASTM D5185(m)	2600	2815	2739	2732
Oxydation	Abs/.1mm	ASTM D7414*	>25	15.1	15.0	15.0
Visc 40°C	cSt	ASTM D7279(m)	80.1	108	89.2	92.7
Visc 100°C	cSt	ASTM D7279(m)	12.00	14.3	13.1	13.6
Indice de viscosité (VI)	Scale	ASTM D2270*	144	134	146	148



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 LES ENTREPRISES MICHAUDVILLE INC.
N° d'échantillon : PC0077367 **Reçu** : 26 Jul 2023
N° de laboratoire : 02572137 **Diagnostiqué** : 27 Jul 2023
Numéro unique : 5617188 **Diagnostiqueur** : Kevin Marson
Analyse : MOB 1 (Additional Tests: KV40, VI)

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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