



Secteur
MICHAUDVILLE
Identité de la machine
1597

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. The fluid was specified as PETRO CANADA DURON SHP 10W30, however, a fluid match indicates that this fluid is SAE 15W40 Diesel Engine Oil. Please confirm the oil type and grade on your next sample. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		PC0082467	PC0067160	PC0065732
Date d'échant.		Client Info		26 Nov 2023	17 Nov 2022	01 Sep 2022
Âge d la Machine	hrs	Client Info		23703	12720	12351
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

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	58	6	12
Chrome	ppm	ASTM D5185(m)	>20	1	0	0
Nickel	ppm	ASTM D5185(m)	>4	<1	0	0
Titane	ppm	ASTM D5185(m)		0	0	0
Argent	ppm	ASTM D5185(m)	>3	<1	0	0
Aluminium	ppm	ASTM D5185(m)	>20	4	2	2
Plomb	ppm	ASTM D5185(m)	>40	25	<1	0
Cuivre	ppm	ASTM D5185(m)	>330	3	<1	1
Étain	ppm	ASTM D5185(m)	>15	1	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

There is no indication of any contamination in the oil.

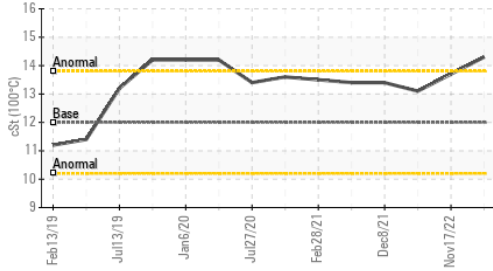
Silicium	ppm	ASTM D5185(m)	>25	10	4	6
Potassium	ppm	ASTM D5185(m)	>20	15	<1	2
Essence		WC Method	>5	<1.0	<1.0	<1.0
L'eau		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	ASTM D7922*		0.0	NEG	NEG
% de suie	%	ASTM D7844*	>3	0.7	0	0
Nitration	Abs/cm	ASTM D7624*	>20	10.9	7.1	8.5
Sulfatation	Abs/.1mm	ASTM D7415*	>30	28.8	19.5	19.6
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	NEG

ÉTAT DU FLUIDE

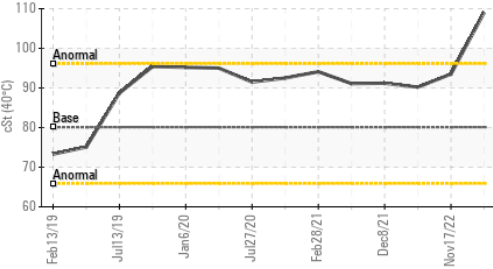
Viscosity of sample indicates oil is within SAE 15W40 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		33	1	2
Bore	ppm	ASTM D5185(m)	2	11	2	2
Baryum	ppm	ASTM D5185(m)	0	<1	0	0
Molybdène	ppm	ASTM D5185(m)	50	32	56	55
Manganèse	ppm	ASTM D5185(m)	0	<1	<1	<1
Magnésium	ppm	ASTM D5185(m)	950	266	923	926
Calcium	ppm	ASTM D5185(m)	1050	2293	1092	1110
Phosphore	ppm	ASTM D5185(m)	995	1022	1050	947
Zinc	ppm	ASTM D5185(m)	1180	1260	1144	1155
Soufre	ppm	ASTM D5185(m)	2600	2937	2610	2540
Oxydation	Abs/.1mm	ASTM D7414*	>25	20.2	15.1	15.5
Visc 40°C	cSt	ASTM D7279(m)	80.1	▲ 109	93.5	90.2
Visc 100°C	cSt	ASTM D7279(m)	12.00	▲ 14.3	13.7	13.1
Indice de viscosité (VI)	Scale	ASTM D2270*	144	133	148	144

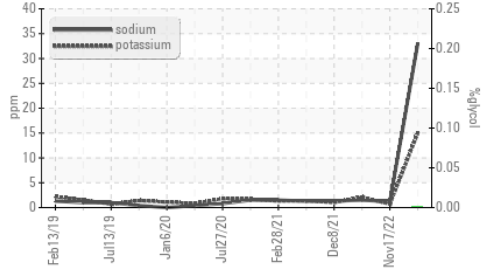
▲ Viscosité 100°C



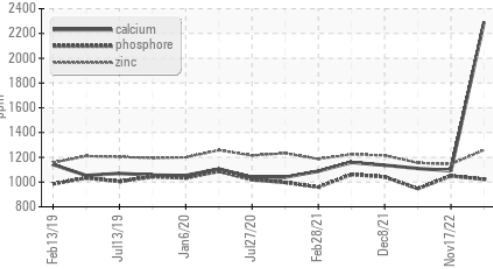
▲ Viscosité 40°C



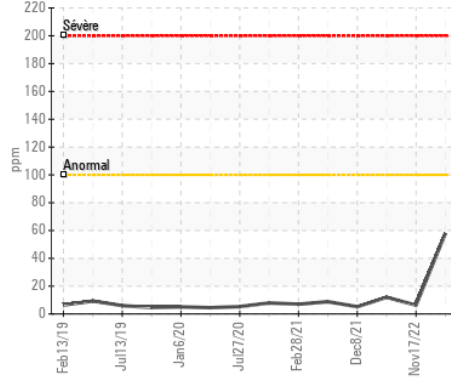
Contamination par le glycol



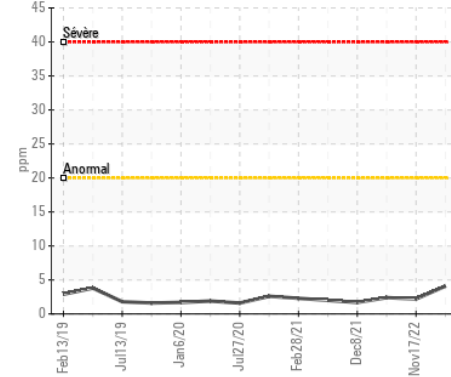
Additifs



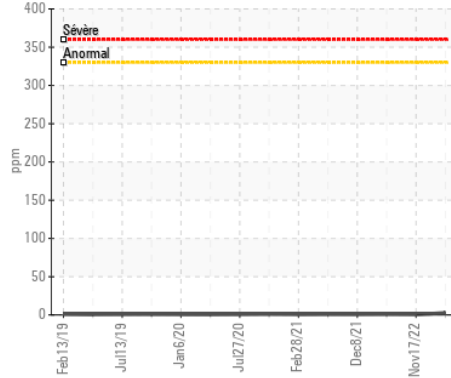
Fer (ppm)



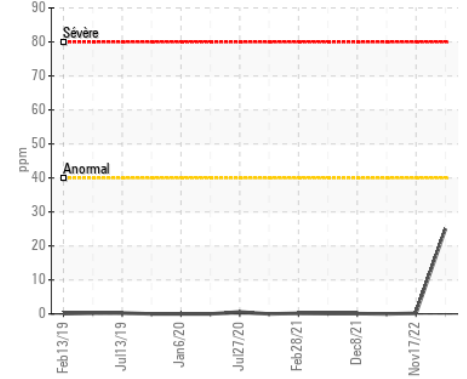
Aluminium (ppm)



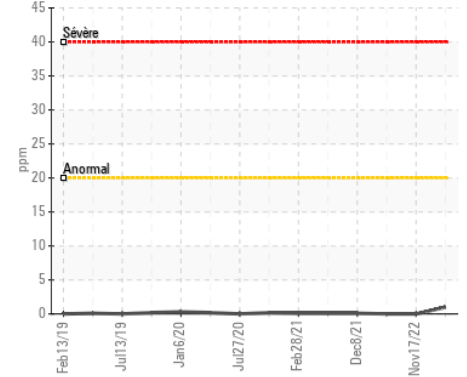
Cuivre (ppm)



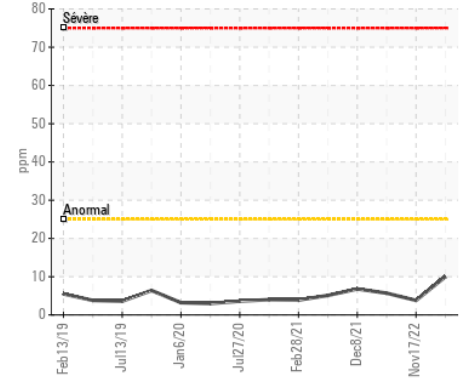
Plomb (ppm)



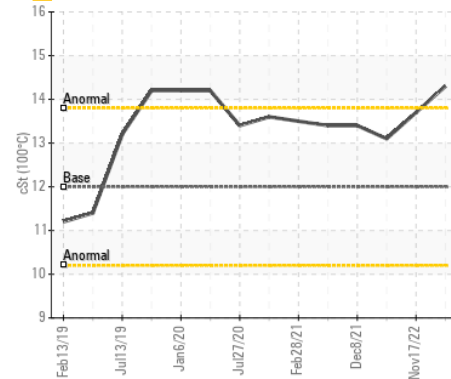
Chrome (ppm)



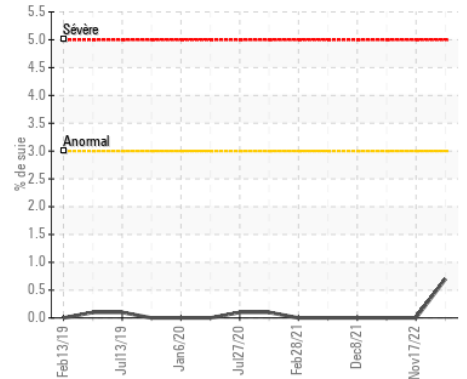
Silicium (ppm)



▲ Viscosité 100°C



% de suie



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **LES ENTREPRISES MICHAUVILLE INC.**
N° d'échantillon : PC0082467 **Reçu** : 27 Nov 2023 270 RUE BRUNET
N° de laboratoire : 02598942 **Diagnostiqué** : 28 Nov 2023 MONT ST-HILAIRE, QC
Numéro unique : 5684022 **Diagnostiqueur** : Kevin Marson CA J3H 0M6
Analyse : MOB 1 (Additional Tests: Glycol, KV40, VI) Contact: Martin Trudel

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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