



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	ANORMAL

Identité de la machine

371

Composant

Moteur diesel

Fluid

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 40 Diesel Engine Oil. Please confirm the oil type and grade on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		WC0879654	---	---
Date d'échant.		Client Info		15 Aug 2023	---	---
Âge d la Machine	kms	Client Info		742342	---	---
Âge de l'huile	kms	Client Info		12468	---	---
Âge du filtre	kms	Client Info		12468	---	---
Huile changée		Client Info		Changed	---	---
Filtre changé		Client Info		Changed	---	---
Statut de l'échant.				ABNORMAL	---	---

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>165	31	---	---
Chrome	ppm	ASTM D5185(m)	>5	1	---	---
Nickel	ppm	ASTM D5185(m)	>4	<1	---	---
Titane	ppm	ASTM D5185(m)	>2	0	---	---
Argent	ppm	ASTM D5185(m)	>2	0	---	---
Aluminium	ppm	ASTM D5185(m)	>20	13	---	---
Plomb	ppm	ASTM D5185(m)	>150	0	---	---
Cuivre	ppm	ASTM D5185(m)	>90	3	---	---
Étain	ppm	ASTM D5185(m)	>5	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

There is no indication of any contamination in the oil.

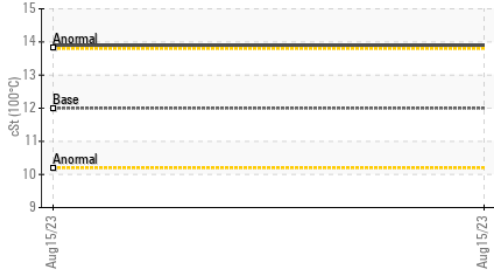
Silicium	ppm	ASTM D5185(m)	>35	4	---	---
Potassium	ppm	ASTM D5185(m)	>20	10	---	---
Essence		WC Method	>3.0	<1.0	---	---
L'eau		WC Method	>0.2	NEG	---	---
Glycol	%	ASTM D7922*		0.0	---	---
% de suie	%	ASTM D7844*	>7.5	0.1	---	---
Nitration	Abs/cm	ASTM D7624*	>20	7.5	---	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	20.5	---	---
Eau émulsifiée	scalar	Visual*	>0.2	NEG	---	---

ÉTAT DU FLUIDE

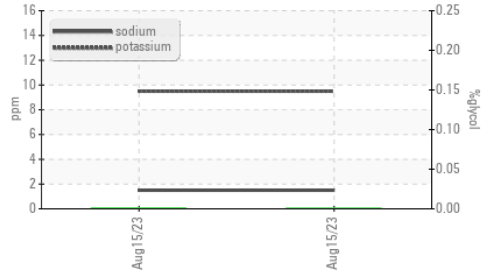
The BN result indicates that there is suitable alkalinity remaining in the oil. Viscosity of sample indicates oil is within SAE 40 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		2	---	---
Bore	ppm	ASTM D5185(m)	2	126	---	---
Baryum	ppm	ASTM D5185(m)	0	0	---	---
Molybdène	ppm	ASTM D5185(m)	50	13	---	---
Manganèse	ppm	ASTM D5185(m)	0	0	---	---
Magnésium	ppm	ASTM D5185(m)	950	151	---	---
Calcium	ppm	ASTM D5185(m)	1050	1953	---	---
Phosphore	ppm	ASTM D5185(m)	995	965	---	---
Zinc	ppm	ASTM D5185(m)	1180	1105	---	---
Soufre	ppm	ASTM D5185(m)	2600	3019	---	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	16.1	---	---
Indice d'alcalinité	mg KOH/g	ASTM D2896*		9.14	---	---
Visc 100°C	cSt	ASTM D7279(m)	12.00	▲ 13.9	---	---

▲ Viscosité 100°C



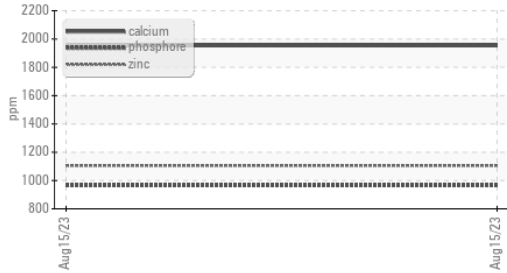
Contamination par le glycol



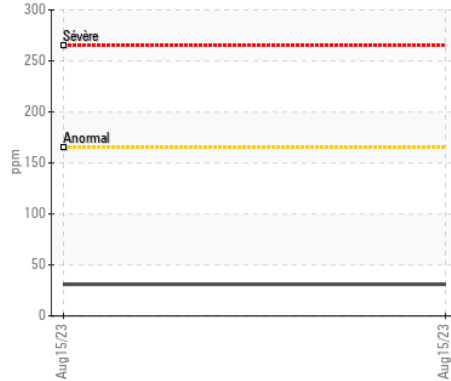
Indice d'alcalinité



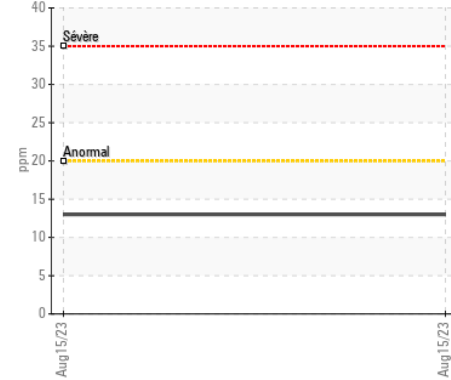
Additifs



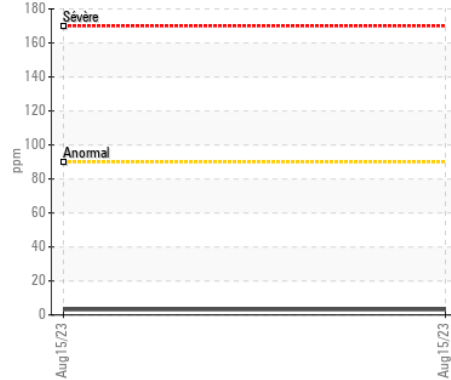
Fer (ppm)



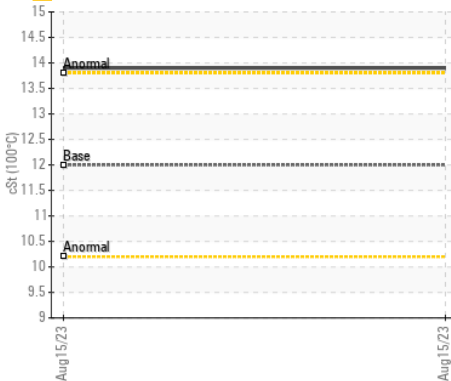
Aluminium (ppm)



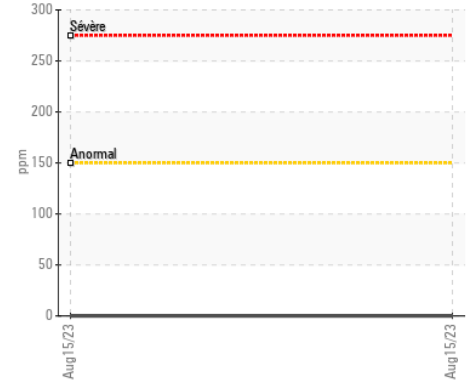
Cuivre (ppm)



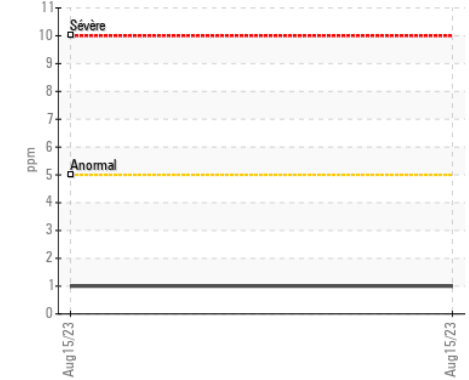
▲ Viscosité 100°C



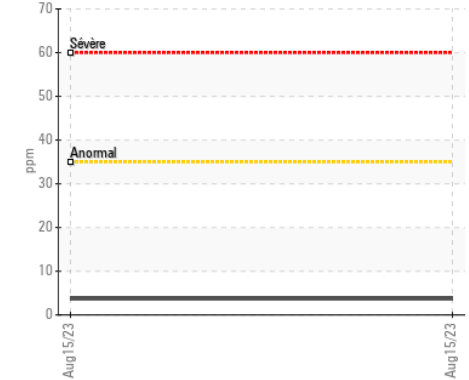
Plomb (ppm)



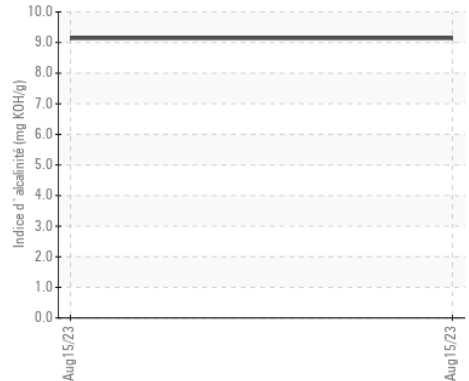
Chrome (ppm)



Silicium (ppm)



Indice d'alcalinité



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
 N° d'échantillon : WC0879654 Reçu : 22 Jan 2024
 N° de laboratoire : 02610111 Diagnostiqué : 23 Jan 2024
 Numéro unique : 5711197 Diagnostiqueur : Kevin Marson
 Analyse : MOB 2 (Additional Tests: Glycol)

Moncton - Transport Laberge
 180 Edinburg Drive, Suite 1A
 Moncton, NB
 CA E1E 2K7
 Contact: Service Manager

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.

T:
F: