



USURE	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
ÉTAT DU FLUIDE	<b>NORMAL</b>

Identité de la machine

**300-95**

Composant

**Moteur diesel**

Fluid

**DIESEL ENGINE OIL SAE 5W40 (--- GAL)**

**RECOMMANDATION**

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>PC0079669</b>	PC0079739	PC0079740
Date d'échant.		Client Info		<b>24 May 2024</b>	13 Mar 2024	02 Mar 2024
Âge d la Machine	hrs	Client Info		<b>4587</b>	4116	4078
Âge de l'huile	hrs	Client Info		<b>470</b>	581	488
Âge du filtre	hrs	Client Info		<b>470</b>	581	488
Huile changée		Client Info		<b>Changed</b>	Changed	Changed
Filtre changé		Client Info		<b>Changed</b>	Changed	Changed
Statut de l'échant.				<b>NORMAL</b>	ABNORMAL	NORMAL

**USURE**

Les taux d'usure de tous les composants sont normaux.

Fer	ppm	ASTM D5185(m)	>90	<b>20</b>	26	42
Chrome	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	1	<1
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	0
Titane	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Argent	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>6</b>	5	10
Plomb	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	2	2
Cuivre	ppm	ASTM D5185(m)	>330	<b>1</b>	2	1
Étain	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

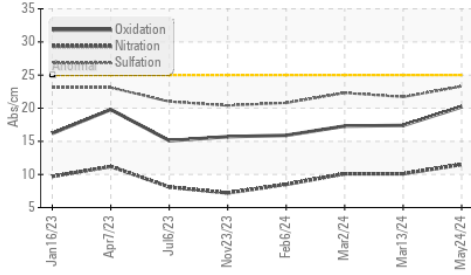
Silicium	ppm	ASTM D5185(m)	>25	<b>4</b>	3	4
Potassium	ppm	ASTM D5185(m)	>20	<b>15</b>	▲ 61	7
Essence		WC Method	>3.0	<b>&lt;1.0</b>	<1.0	<1.0
L'eau		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	0.0	NEG
% de suie	%	ASTM D7844*	>6	<b>0.8</b>	0.6	0.6
Nitration	Abs/cm	ASTM D7624*	>20	<b>11.5</b>	10.1	10.1
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>23.3</b>	21.7	22.3
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

**ÉTAT DU FLUIDE**

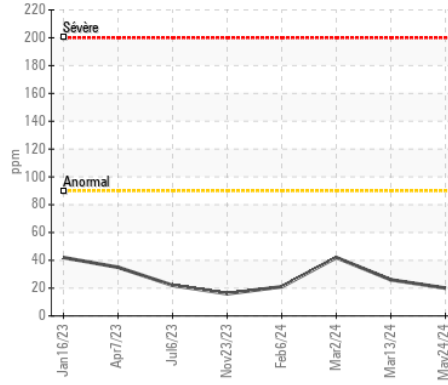
Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. L'état de l'huile permet d'en prolonger l'utilisation.

Sodium	ppm	ASTM D5185(m)	>44	<b>10</b>	31	2
Bore	ppm	ASTM D5185(m)	250	<b>22</b>	3	0
Baryum	ppm	ASTM D5185(m)	10	<b>0</b>	0	0
Molybdène	ppm	ASTM D5185(m)	100	<b>59</b>	62	65
Manganèse	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Magnésium	ppm	ASTM D5185(m)	450	<b>1095</b>	990	1051
Calcium	ppm	ASTM D5185(m)	3000	<b>869</b>	1127	1134
Phosphore	ppm	ASTM D5185(m)	1150	<b>972</b>	974	1057
Zinc	ppm	ASTM D5185(m)	1350	<b>1197</b>	1191	1290
Soufre	ppm	ASTM D5185(m)	4250	<b>2556</b>	2330	2493
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>20.2</b>	17.4	17.3
Indice d'alcalinité	mg KOH/g	ASTM D2896*	8.5	<b>9.23</b>	9.37	8.78
Visc 40°C	cSt	ASTM D7279(m)	91	<b>86.1</b>	103	102
Visc 100°C	cSt	ASTM D7279(m)	14.4	<b>13.4</b>	14.0	13.6
Indice de viscosité (VI)	Scale	ASTM D2270*	164	<b>157</b>	137	133

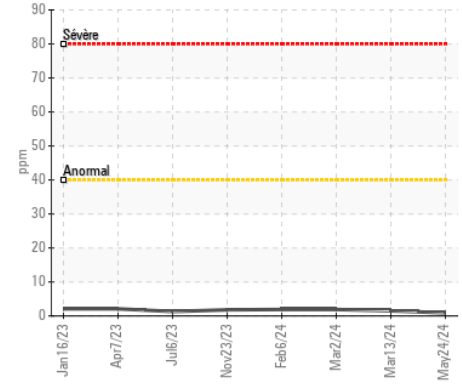
FT-IR (Direct Trend)



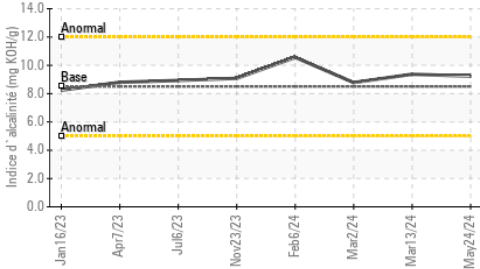
Fer (ppm)



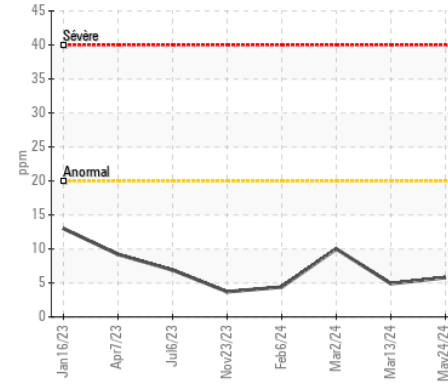
Plomb (ppm)



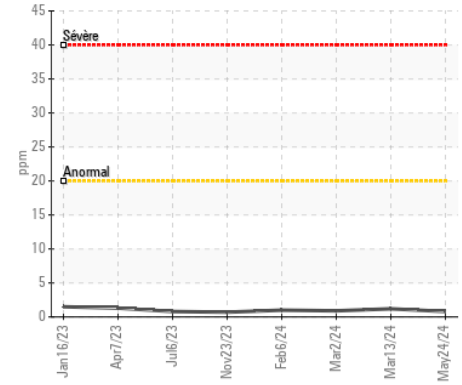
Indice d'alcalinité



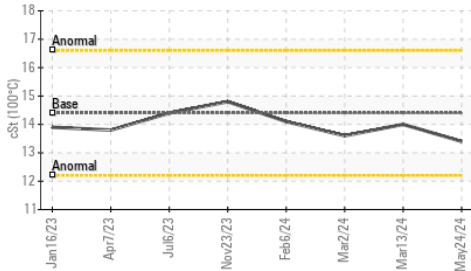
Aluminium (ppm)



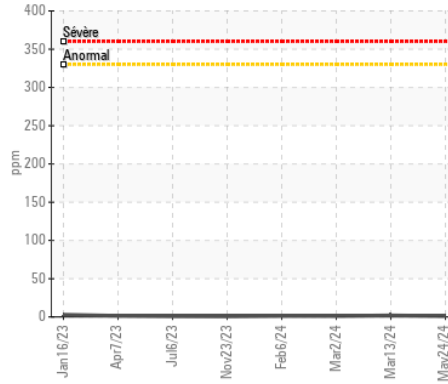
Chrome (ppm)



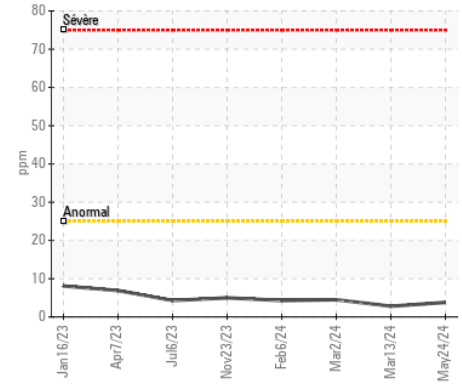
Viscosité 100°C



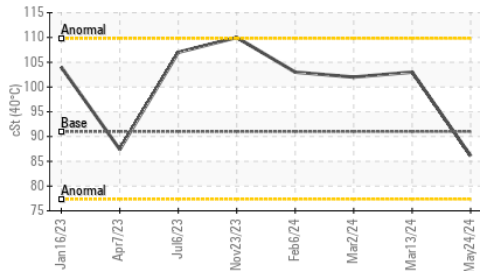
Cuivre (ppm)



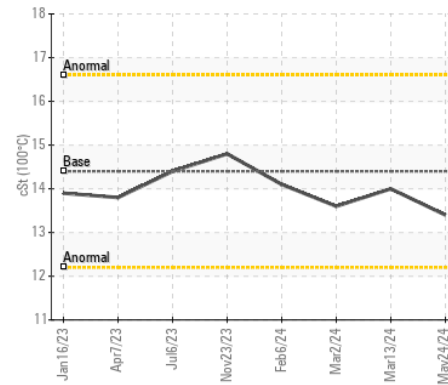
Silicium (ppm)



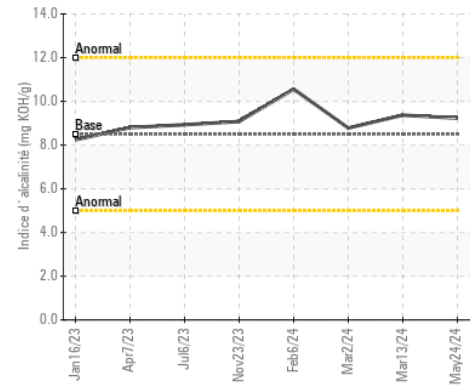
Viscosité 40°C



Viscosité 100°C



Indice d'alcalinité



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : PC0079669  
**N° de laboratoire** : 02643969  
**Numéro unique** : 5801508  
**Analyse** : MOB 2 ( Additional Tests: KV40, VI )

**HUILES DESROCHES INC.**  
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 CA G1N 4E3  
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 T: (418)621-5150  
 F: (418)621-0822

*Reçu* : 25 Jun 2024  
*Tested* : 26 Jun 2024  
*Diagnostiqué* : 26 Jun 2024 - Wes Davis

*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.*