OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY

Machine Id
NO UNIT PC0079770
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Aucune mesure corrective n`est recommandée pour l`instant. Échantillonner de nouveau l`équipement au prochain intervalle de vidange afin d`en surveiller la condition. Veuillez préciser la marque et le modèle du composant lors du prochain échantillon.

Wear

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

Contamination

Légère dilution de carburant dans l`huile. Aucun autre contaminant n`a été détecté dans l`huile.

Fluid Condition

Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l`huile. La viscosité de l'échantillon se situe dans la portée de l'SAE 10W30; nous vous conseillons de vérifier. L`état de l`huile permet d`en prolonger l`utilisation.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**PC0079770**	---	---
Sample Date		Client Info		**14 Jan 2024**	---	---
Machine Age	kms	Client Info		**0**	---	---
Oil Age	kms	Client Info		**0**	---	---
Oil Changed		Client Info		**N/A**	---	---
Sample Status				**ABNORMAL**	---	---

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.2	**NEG**	---	---
Glycol		WC Method		**NEG**	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	**37**	---	---
Chromium	ppm	ASTM D5185(m)	>20	**1**	---	---
Nickel	ppm	ASTM D5185(m)	>4	**<1**	---	---
Titanium	ppm	ASTM D5185(m)		**0**	---	---
Silver	ppm	ASTM D5185(m)	>3	**0**	---	---
Aluminum	ppm	ASTM D5185(m)	>20	**4**	---	---
Lead	ppm	ASTM D5185(m)	>40	**6**	---	---
Copper	ppm	ASTM D5185(m)	>330	**2**	---	---
Tin	ppm	ASTM D5185(m)	>15	**1**	---	---
Antimony	ppm	ASTM D5185(m)		**0**	---	---
Vanadium	ppm	ASTM D5185(m)		**0**	---	---
Beryllium	ppm	ASTM D5185(m)		**0**	---	---
Cadmium	ppm	ASTM D5185(m)		**0**	---	---

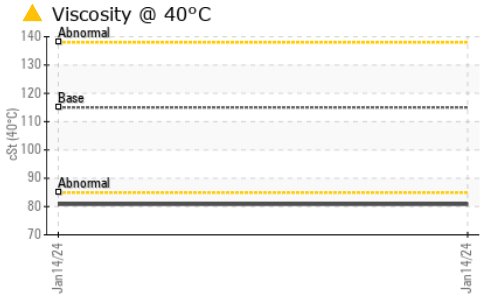
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	250	**27**	---	---
Barium	ppm	ASTM D5185(m)	10	**0**	---	---
Molybdenum	ppm	ASTM D5185(m)	100	**50**	---	---
Manganese	ppm	ASTM D5185(m)		**<1**	---	---
Magnesium	ppm	ASTM D5185(m)	450	**668**	---	---
Calcium	ppm	ASTM D5185(m)	3000	**1588**	---	---
Phosphorus	ppm	ASTM D5185(m)	1150	**863**	---	---
Zinc	ppm	ASTM D5185(m)	1350	**985**	---	---
Sulfur	ppm	ASTM D5185(m)	4250	**2400**	---	---
Lithium	ppm	ASTM D5185(m)		**<1**	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	**5**	---	---
Sodium	ppm	ASTM D5185(m)	>158	**4**	---	---
Potassium	ppm	ASTM D5185(m)	>20	**1**	---	---
Fuel	%	ASTM D7593*	>5	**1.3**	---	---

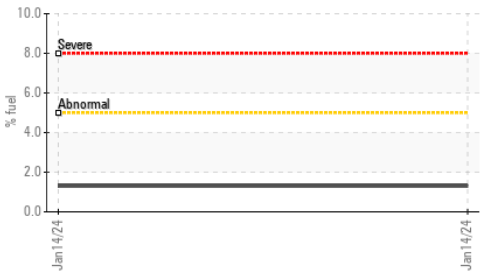
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	**0.8**	---	---
Nitration	Abs/cm	ASTM D7624*	>20	**10.3**	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	**23.4**	---	---

OIL ANALYSIS REPORT

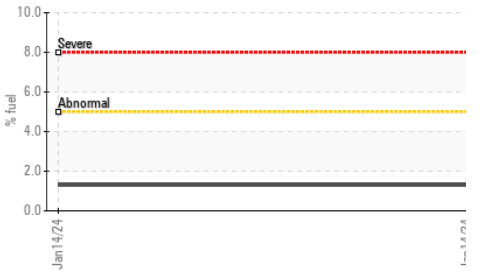
Viscosity @ 40°C



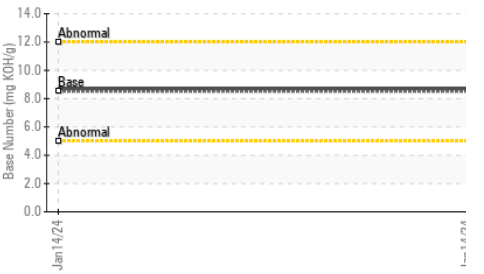
Fuel Dilution



Fuel Dilution



Base Number



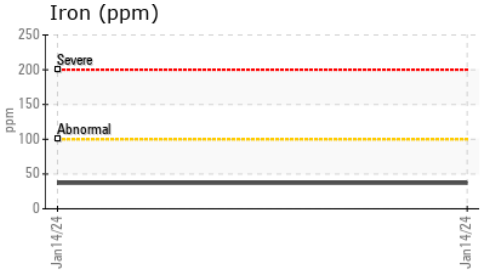
FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	**21.3**	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*	8.5	**8.71**	---	---

VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	**NEG**	---	---
Free Water	scalar	Visual*		**NEG**	---	---

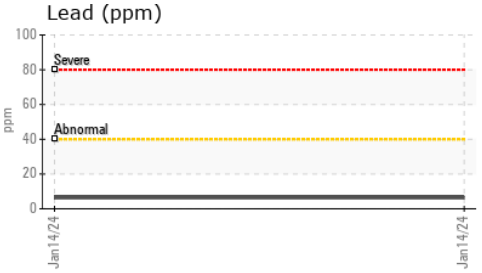
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	115	▲ **80.8**	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	▲ **11.9**	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	126	**141**	---	---

GRAPHS

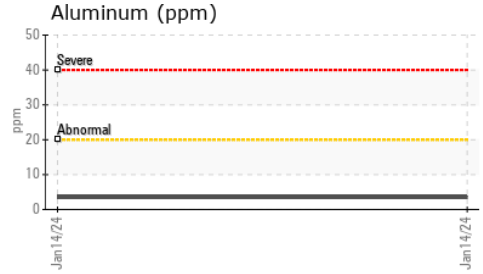
Iron (ppm)



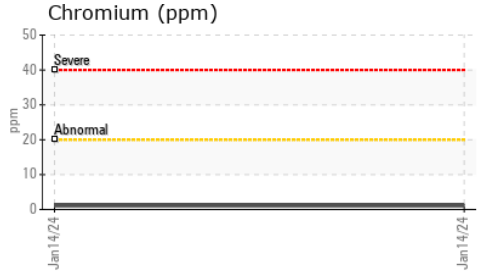
Lead (ppm)



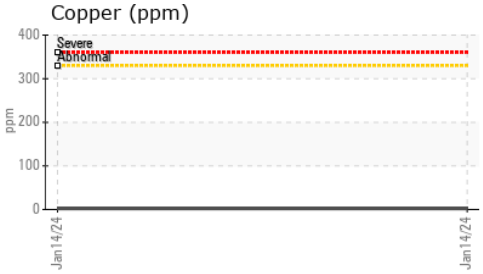
Aluminum (ppm)



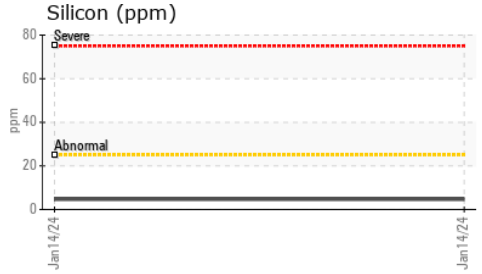
Chromium (ppm)



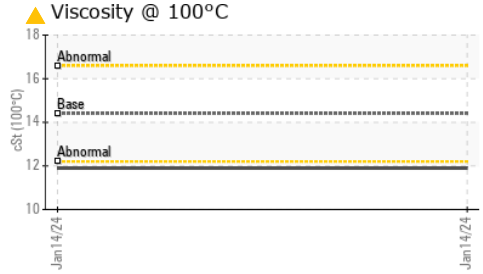
Copper (ppm)



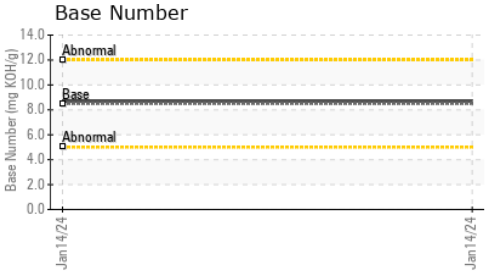
Silicon (ppm)



Viscosity @ 100°C



Base Number



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0079770 **Received** : 07 Feb 2024
Lab Number : 02613906 **Tested** : 08 Feb 2024
Unique Number : 5723001 **Diagnosed** : 08 Feb 2024 - Kevin Marson
Test Package : MOB 2 (Additional Tests: FuelDilution, KV40, PercentFuel, VI)

To discuss this sample report, contact Customer Service at 1-800-268-2131.
Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
Validity of results and interpretation are based on the sample and information as supplied.

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