



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
[331534]
 Machine Id
CN 1880 G1
 Component
Diesel Engine
 Fluid
DIESEL ENGINE OIL SAE 5W40 (--- GAL)

DIAGNOSIS

Recommendation

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

Wear

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

Contamination

Il n'y a aucun indice de contamination dans l'huile.

Fluid Condition

L'état de l'huile est acceptable pour la durée de service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			CU0023040	---	---
Sample Date	Client Info			09 Jan 2024	---	---
Machine Age	hrs	Client Info		2325	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed	Client Info			N/A	---	---
Sample Status				NORMAL	---	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>3.0		<1.0	---	---
Water	WC Method	>0.2		NEG	---	---
Glycol	WC Method			NEG	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>90	18	---	---
Chromium	ppm	ASTM D5185(m)	>20	<1	---	---
Nickel	ppm	ASTM D5185(m)	>2	<1	---	---
Titanium	ppm	ASTM D5185(m)	>2	0	---	---
Silver	ppm	ASTM D5185(m)	>2	0	---	---
Aluminum	ppm	ASTM D5185(m)	>20	2	---	---
Lead	ppm	ASTM D5185(m)	>40	<1	---	---
Copper	ppm	ASTM D5185(m)	>330	1	---	---
Tin	ppm	ASTM D5185(m)	>15	0	---	---
Antimony	ppm	ASTM D5185(m)		0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
Beryllium	ppm	ASTM D5185(m)		0	---	---
Cadmium	ppm	ASTM D5185(m)		0	---	---

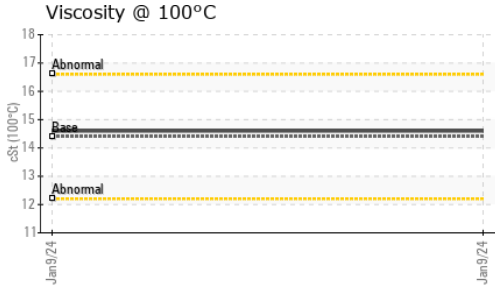
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	250	36	---	---
Barium	ppm	ASTM D5185(m)	10	0	---	---
Molybdenum	ppm	ASTM D5185(m)	100	61	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)	450	1045	---	---
Calcium	ppm	ASTM D5185(m)	3000	884	---	---
Phosphorus	ppm	ASTM D5185(m)	1150	945	---	---
Zinc	ppm	ASTM D5185(m)	1350	1146	---	---
Sulfur	ppm	ASTM D5185(m)	4250	2742	---	---
Lithium	ppm	ASTM D5185(m)		<1	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	3	---	---
Sodium	ppm	ASTM D5185(m)	>44	4	---	---
Potassium	ppm	ASTM D5185(m)	>20	7	---	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	13.2	---	---
Sulfation	Abs./1mm	ASTM D7415*	>30	26.0	---	---



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FLUID DEGRADATION		method	limit/base	current	history1	history2
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Oxidation	Abs./1mm	ASTM D7414*	>25	32.2	---	---
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VISUAL		method	limit/base	current	history1	history2
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Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
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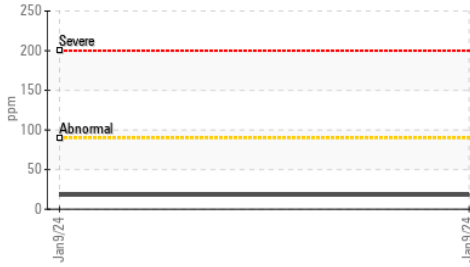
Free Water	scalar	Visual*		NEG	---	---
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FLUID PROPERTIES		method	limit/base	current	history1	history2
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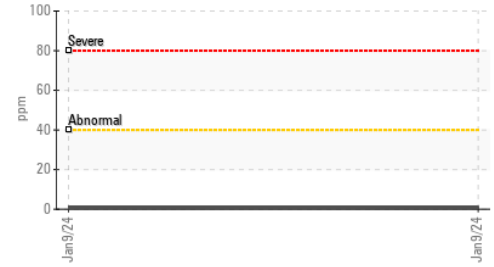
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	14.6	---	---
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GRAPHS

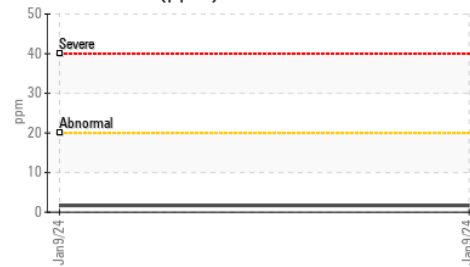
Iron (ppm)



Lead (ppm)



Aluminum (ppm)



Chromium (ppm)



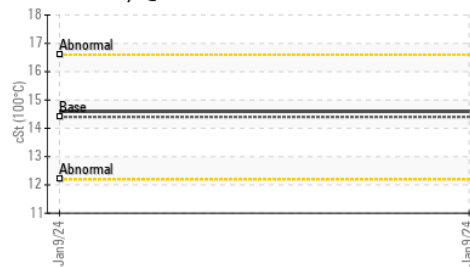
Copper (ppm)



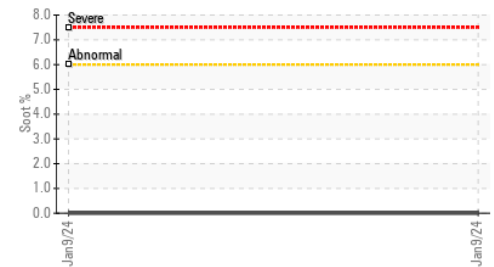
Silicon (ppm)



Viscosity @ 100°C



Soot %



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : CU0023040
Lab Number : 02609614
Unique Number : 5710700
Test Package : MOB 1

Recieved : 18 Jan 2024
Diagnosed : 18 Jan 2024
Diagnostician : Kevin Marson

CUMMINS EASTERN CANADA LP

315 AV LIBERTE
CANDIAC, QC
CA J5R 6Z7

Contact: Thomas Owens
is275@cummins.com

T: (450)638-6863
F: (450)638-1202

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.