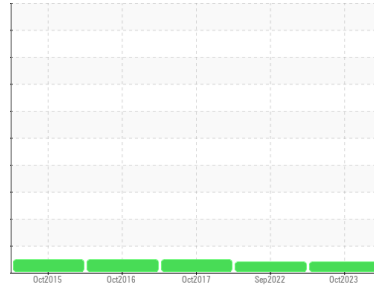




OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id
CHEESECOTE TOWER 0708915

Component
Diesel Engine
Fluid
MOBIL 15W40 (2 GAL)

DIAGNOSIS

▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the oil.

▲ Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0834373	WC0699380	WCM1384172
Sample Date	Client Info		02 Oct 2023	19 Sep 2022	23 Oct 2017
Machine Age	hrs	Client Info	0	675	481
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	Changed	Changed
Sample Status			ATTENTION	ATTENTION	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<1.0	0.2	<1.0
Glycol	WC Method		NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >100	4	2	24
Chromium	ppm	ASTM D5185m >20	0	4	<1
Nickel	ppm	ASTM D5185m >2	0	0	0
Titanium	ppm	ASTM D5185m >2	0	18	<1
Silver	ppm	ASTM D5185m >2	0	0	0
Aluminum	ppm	ASTM D5185m >25	3	<1	2
Lead	ppm	ASTM D5185m >40	0	5	2
Copper	ppm	ASTM D5185m >330	2	1	7
Tin	ppm	ASTM D5185m >15	0	0	0
Antimony	ppm	ASTM D5185m	---	---	8
Vanadium	ppm	ASTM D5185m	0	1	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	137	130	39
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	67	58	84
Manganese	ppm	ASTM D5185m	0	<1	<1
Magnesium	ppm	ASTM D5185m	622	196	476
Calcium	ppm	ASTM D5185m	1194	1926	1754
Phosphorus	ppm	ASTM D5185m	789	727	936
Zinc	ppm	ASTM D5185m	931	846	1031
Sulfur	ppm	ASTM D5185m	3226	3009	3047

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	10	6	10
Sodium	ppm	ASTM D5185m >118	21	<1	7
Potassium	ppm	ASTM D5185m >20	3	2	8

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	0	0.1	0
Nitration	Abs/cm	*ASTM D7624 >20	5.6	5.2	6.
Sulfation	Abs/.1mm	*ASTM D7415 >30	15.6	15.6	16.

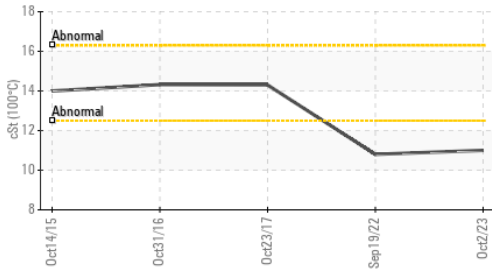
FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	10.1	7.5	11.
Base Number (BN)	mg KOH/g	ASTM D2896	7.9	7.8	---

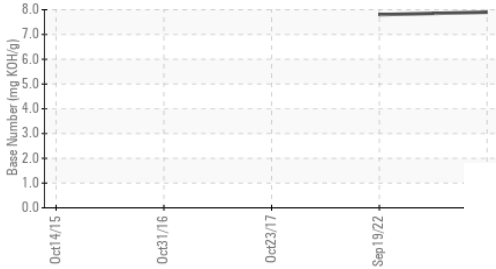


OIL ANALYSIS REPORT

▲ Viscosity @ 100°C



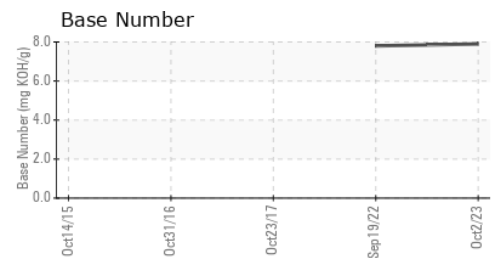
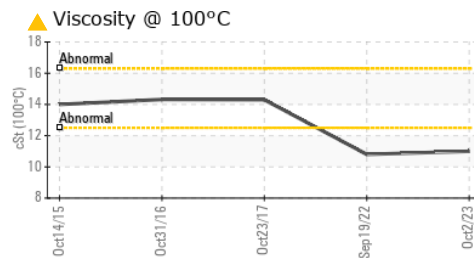
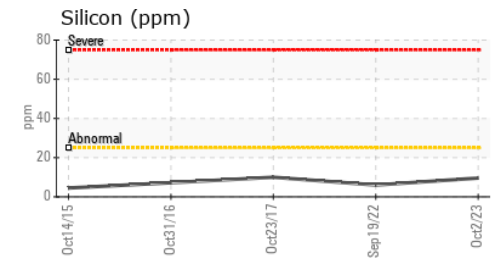
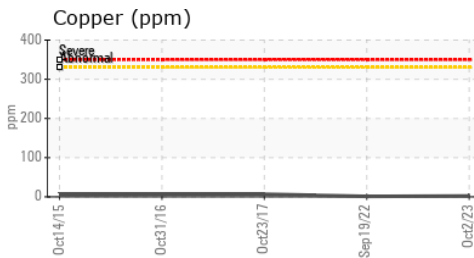
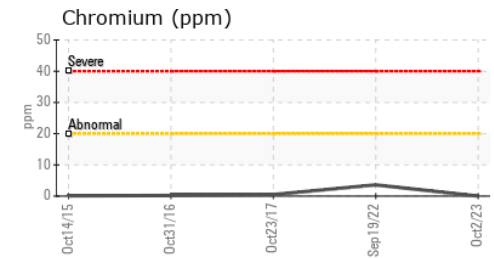
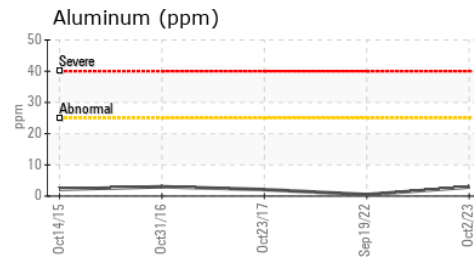
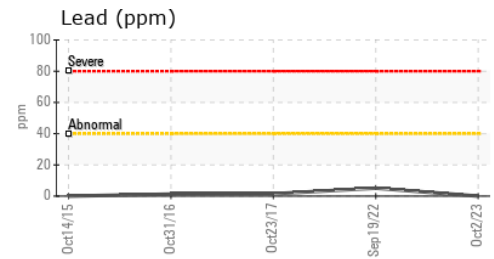
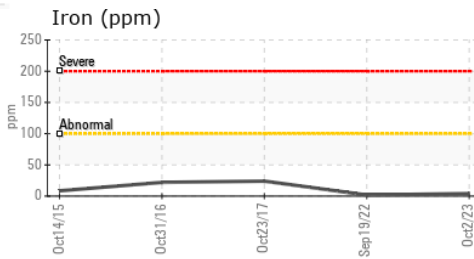
Base Number



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	▲ 11.0	▲ 10.8	14.3

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0834373 **Received** : 03 Oct 2023
Lab Number : 05967366 **Diagnosed** : 05 Oct 2023
Unique Number : 10673917 **Diagnostician** : Jonathan Hester
Test Package : MOB 1 (Additional Tests: TBN)

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 3017 RT 9W
 NEW WINDSOR, NY
 US 12553
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 joe@gentechltd.com
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 F: (845)568-3073

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)