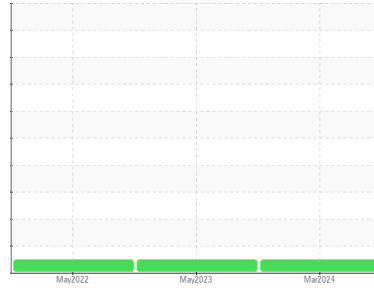




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
Westchester des fleet# 652220 1504960

Component
Diesel Engine

Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0878250	WC0799775	WC0651412
Sample Date	Client Info	31 Mar 2024	01 May 2023	03 May 2022
Machine Age	hrs	Client Info	0	12
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	N/A	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION

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

WEAR METALS

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

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 250	10	18	0
Barium	ppm ASTM D5185m 10	0	0	0
Molybdenum	ppm ASTM D5185m 100	54	45	62
Manganese	ppm ASTM D5185m	<1	<1	<1
Magnesium	ppm ASTM D5185m 450	763	603	838
Calcium	ppm ASTM D5185m 3000	1169	1535	1125
Phosphorus	ppm ASTM D5185m 1150	886	1018	1014
Zinc	ppm ASTM D5185m 1350	1122	1245	1227
Sulfur	ppm ASTM D5185m 4250	3079	3805	3369

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >25	6	4	3
Sodium	ppm ASTM D5185m >158	<1	1	<1
Potassium	ppm ASTM D5185m >20	1	6	0

INFRA-RED

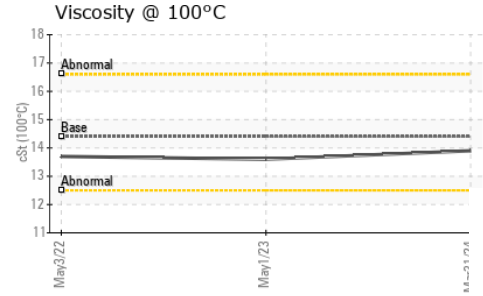
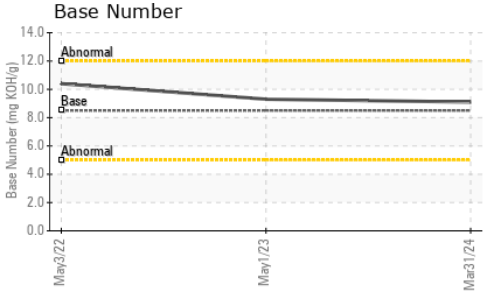
method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >3	0	0	0.1
Nitration	Abs/cm *ASTM D7624 >20	4.3	4.6	4.9
Sulfation	Abs/.1mm *ASTM D7415 >30	16.2	15.8	17.6

FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	11.7	11.7	13.0
Base Number (BN)	mg KOH/g ASTM D2896 8.5	9.1	9.3	10.4



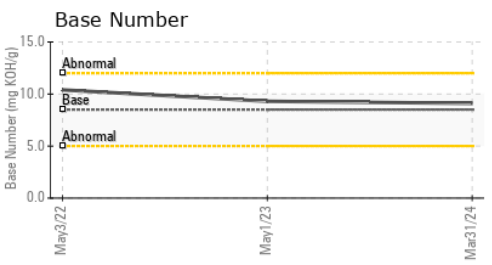
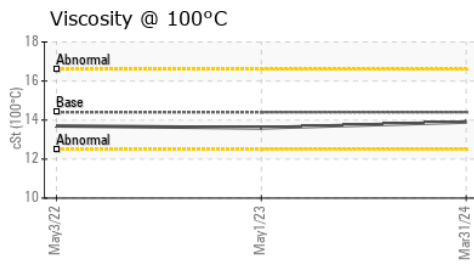
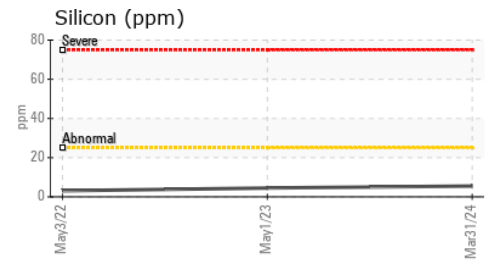
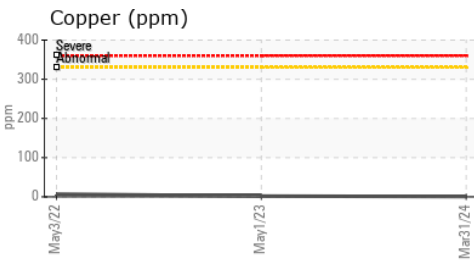
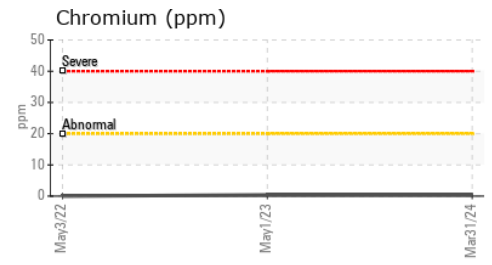
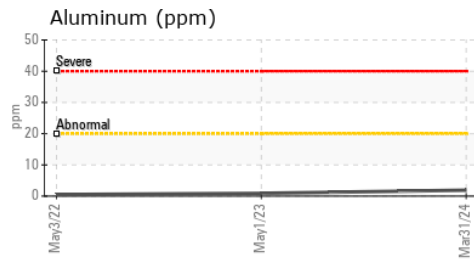
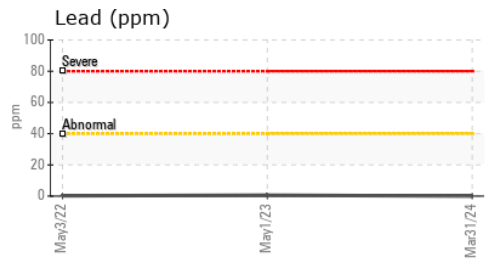
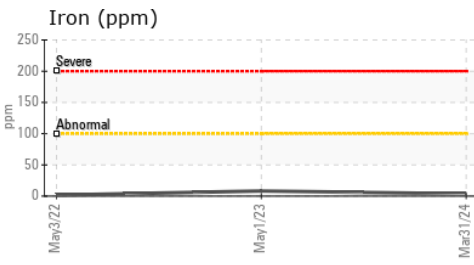
OIL ANALYSIS REPORT



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	LIGHT
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	14.4	13.9	13.6

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0878250 **Received** : 01 Apr 2024
Lab Number : 06134625 **Tested** : 02 Apr 2024
Unique Number : 10954090 **Diagnosed** : 02 Apr 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: TBN)

GEN TECH LTD
 3017 RT 9W
 NEW WINDSOR, NY
 US 12553
 Contact: JOE SAYEGH
 joe@gentechltd.com
 T: (845)568-0500
 F: (845)568-3073

Certificate L2367
 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)