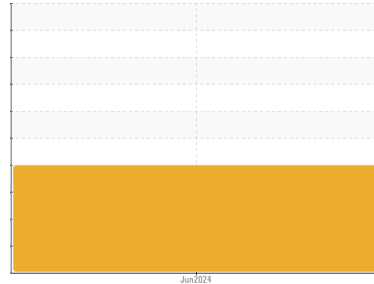


PROBLEM SUMMARY

Sample Rating Trend

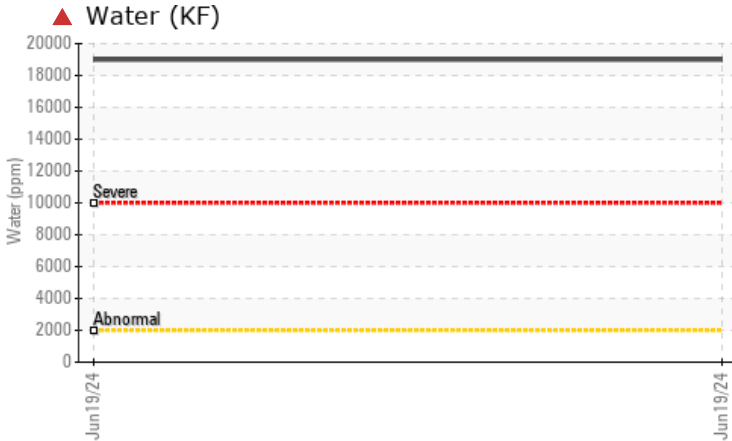


WATER



Machine Id
NOT GIVEN JR0202008 (S/N NO INFO ON SIF/BOTTLE)
Component
Diesel Engine
Fluid
{not provided} (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check for the source of water entry. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. Please note that there was too much water present in the oil to perform a viscosity test.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	---	---
Water	%	ASTM D6304	>0.2	▲ 1.90	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 19000	---	---
Emulsified Water	scalar	*Visual	>0.2	▲ 0.2%	---	---

Customer Id: JAMELI
Sample No.: JR0202008
Lab Number: 06215473
Test Package: MOBCE



To manage this report scan the QR code

To discuss the diagnosis or test data:
Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

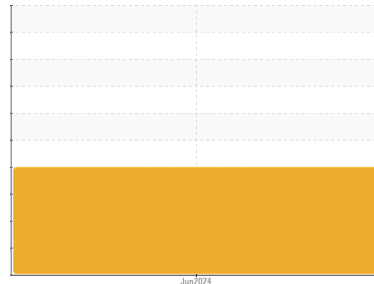
RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	We recommend that you drain the oil and perform a filter service on this component if not already done.
Change Filter	---	---	?	We recommend that you drain the oil and perform a filter service on this component if not already done.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Alert	---	---	?	Please note that there was too much water present in the oil to perform a viscosity test.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
NOT GIVEN JR0202008 (S/N NO INFO ON SIF/BOTTLE)
Component
Diesel Engine
Fluid
{not provided} (--- GAL)

DIAGNOSIS

▲ Recommendation

We advise that you check for the source of water entry. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. Please note that there was too much water present in the oil to perform a viscosity test.

Wear

All component wear rates are normal.

▲ Contamination

Appearance is unacceptable There is a high concentration of water present in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			JR0202008	---	---
Sample Date	Client Info			19 Jun 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed	Client Info			Not Chngd	---	---
Sample Status				SEVERE	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	17	---	---
Chromium	ppm	ASTM D5185m	>20	<1	---	---
Nickel	ppm	ASTM D5185m	>4	<1	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m	>3	0	---	---
Aluminum	ppm	ASTM D5185m	>20	3	---	---
Lead	ppm	ASTM D5185m	>40	2	---	---
Copper	ppm	ASTM D5185m	>330	4	---	---
Tin	ppm	ASTM D5185m	>15	<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
Cadmium	ppm	ASTM D5185m		<1	---	---

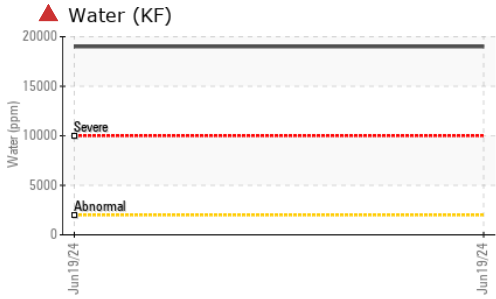
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		44	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		19	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		94	---	---
Calcium	ppm	ASTM D5185m		2917	---	---
Phosphorus	ppm	ASTM D5185m		1021	---	---
Zinc	ppm	ASTM D5185m		1116	---	---
Sulfur	ppm	ASTM D5185m		3751	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	---	---
Sodium	ppm	ASTM D5185m		0	---	---
Potassium	ppm	ASTM D5185m	>20	4	---	---
Fuel	%	ASTM D3524	>5	<1.0	---	---
Water	%	ASTM D6304	>0.2	▲ 1.90	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 19000	---	---
Glycol	%	*ASTM D2982		NEG	---	---

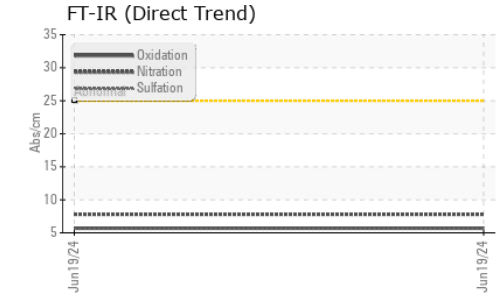
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	---	---
Nitration	Abs/cm	*ASTM D7624	>20	7.8	---	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	5.6	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	5.7	---	---
Base Number (BN)	mg KOH/g	ASTM D2896		16.5	---	---

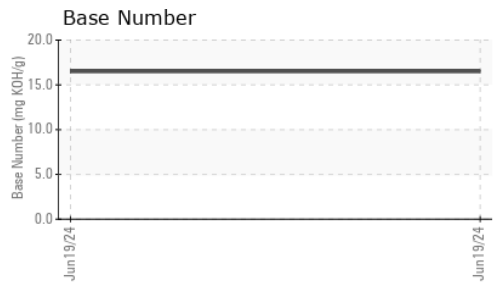
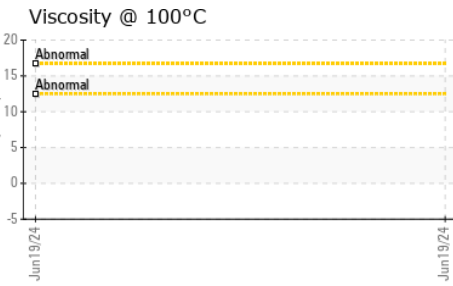
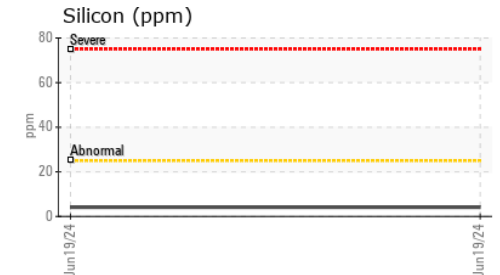
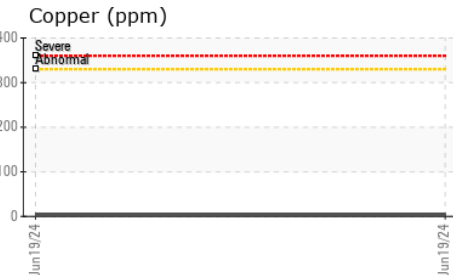
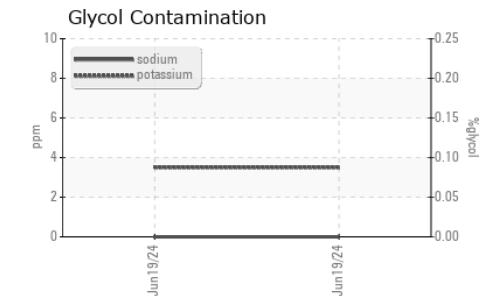
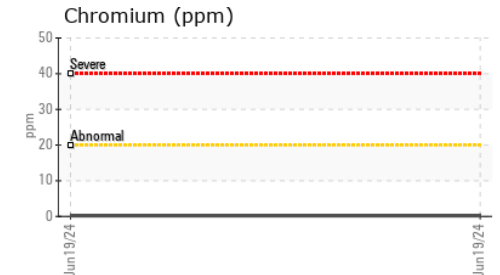
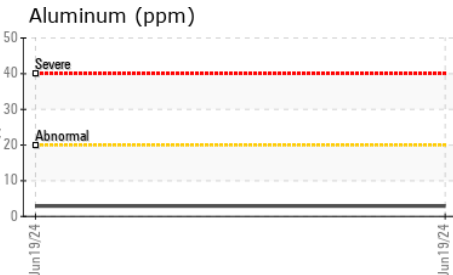
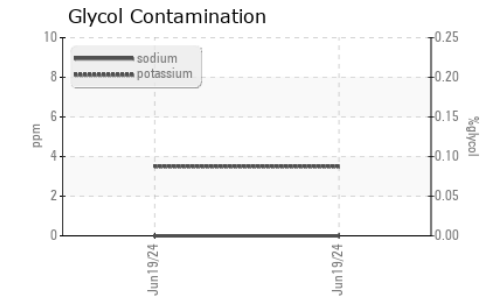
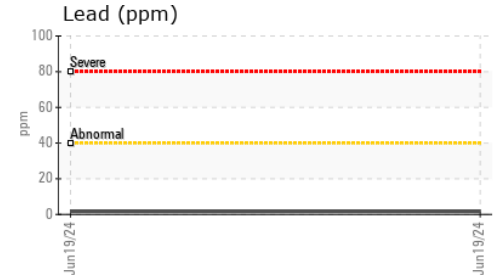
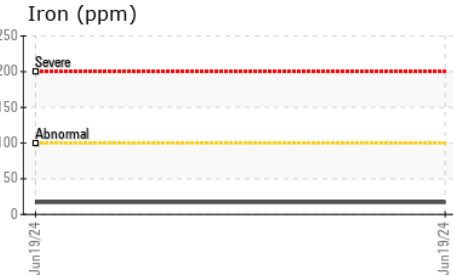
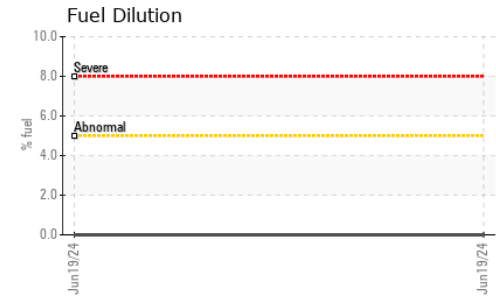
OIL ANALYSIS REPORT



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



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0202008 **Received** : 20 Jun 2024
Lab Number : 06215473 **Tested** : 24 Jun 2024
Unique Number : 11088337 **Diagnosed** : 24 Jun 2024 - Jonathan Hester
Test Package : MOBCE (Additional Tests: FuelDilution, Glycol, KF, TBN)

JRE - ELIZABETH CITY
 129 KNOBBS CREEK DR
 ELIZABETH CITY, NC
 US 27909
 Contact: MICHAEL SCOTT
 michael.scott@jamesriverequipment.com

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)