



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**RVBF**  
 Machine Id  
**1491088**  
 Component  
**Diesel Engine**  
 Fluid  
**NOT GIVEN (48 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0021219	---	---
Sample Date		Client Info		09 Jul 2024	---	---
Machine Age	hrs	Client Info		644	---	---
Oil Age	hrs	Client Info		644	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

## WEAR

Metal levels are typical for a components first oil change.

Iron	ppm	ASTM D5185m	>100	131	---	---
Chromium	ppm	ASTM D5185m	>20	4	---	---
Nickel	ppm	ASTM D5185m	>4	<1	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m	>3	0	---	---
Aluminum	ppm	ASTM D5185m	>20	24	---	---
Lead	ppm	ASTM D5185m	>40	0	---	---
Copper	ppm	ASTM D5185m	>330	108	---	---
Tin	ppm	ASTM D5185m	>15	<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

## CONTAMINATION

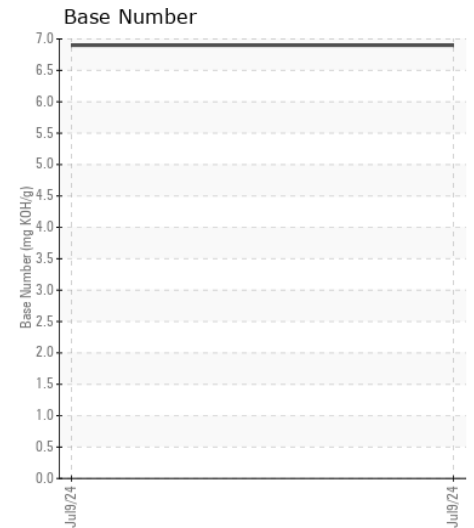
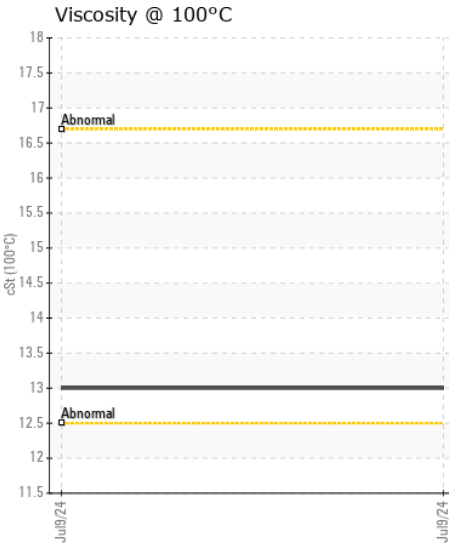
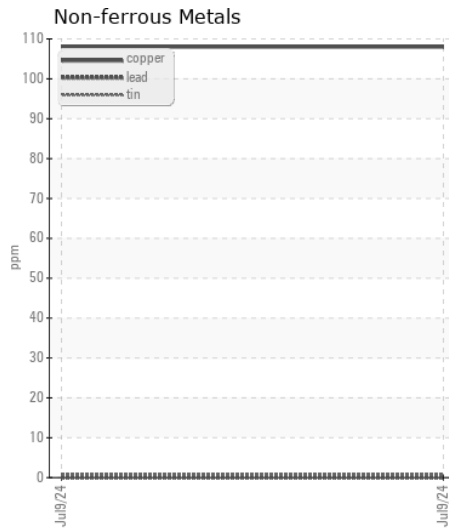
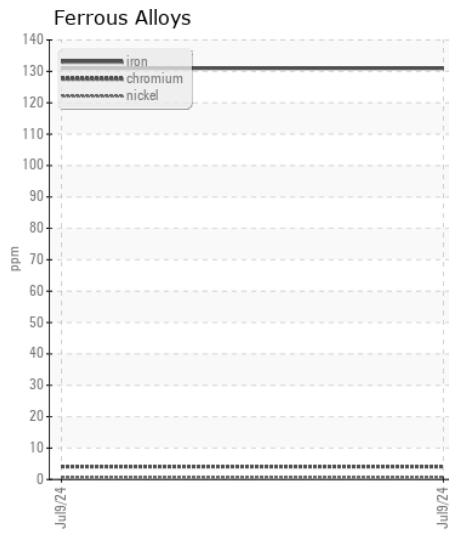
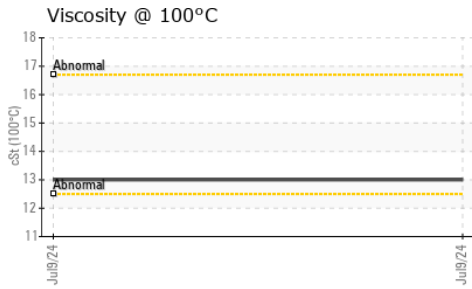
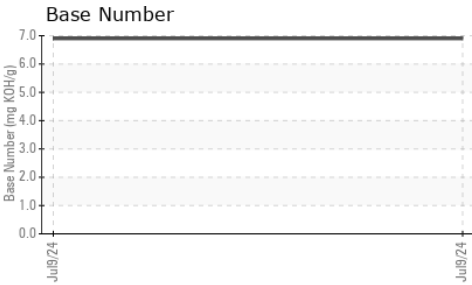
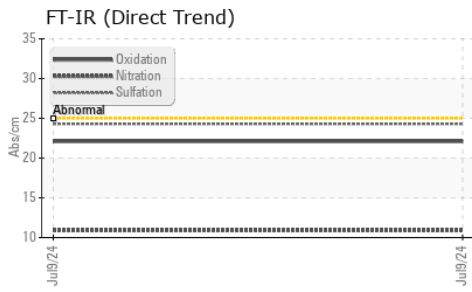
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	44	---	---
Potassium	ppm	ASTM D5185m	>20	38	---	---
Fuel		WC Method	>5	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	*ASTM D7844	>3	0.5	---	---
Nitration	Abs/cm	*ASTM D7624	>20	10.9	---	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.3	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---	---

## 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.

Sodium	ppm	ASTM D5185m		9	---	---
Boron	ppm	ASTM D5185m		166	---	---
Barium	ppm	ASTM D5185m		8	---	---
Molybdenum	ppm	ASTM D5185m		145	---	---
Manganese	ppm	ASTM D5185m		8	---	---
Magnesium	ppm	ASTM D5185m		858	---	---
Calcium	ppm	ASTM D5185m		1875	---	---
Phosphorus	ppm	ASTM D5185m		862	---	---
Zinc	ppm	ASTM D5185m		1056	---	---
Sulfur	ppm	ASTM D5185m		2584	---	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.1	---	---
Base Number (BN)	mg KOH/g	ASTM D2896		6.9	---	---
Visc @ 100°C	cSt	ASTM D445		13.0	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0021219 **Received** : 12 Jul 2024  
**Lab Number** : 06234593 **Tested** : 15 Jul 2024  
**Unique Number** : 11123427 **Diagnosed** : 15 Jul 2024 - Wes Davis  
**Test Package** : FLEET

**RTL PACLEASE - 7020 - El Pao**  
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 El Paso, TX  
 US 79922  
 Contact: JUAN MARTINEZ  
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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)