

**WEAR** CONTAMINATION **FLUID CONDITION** 

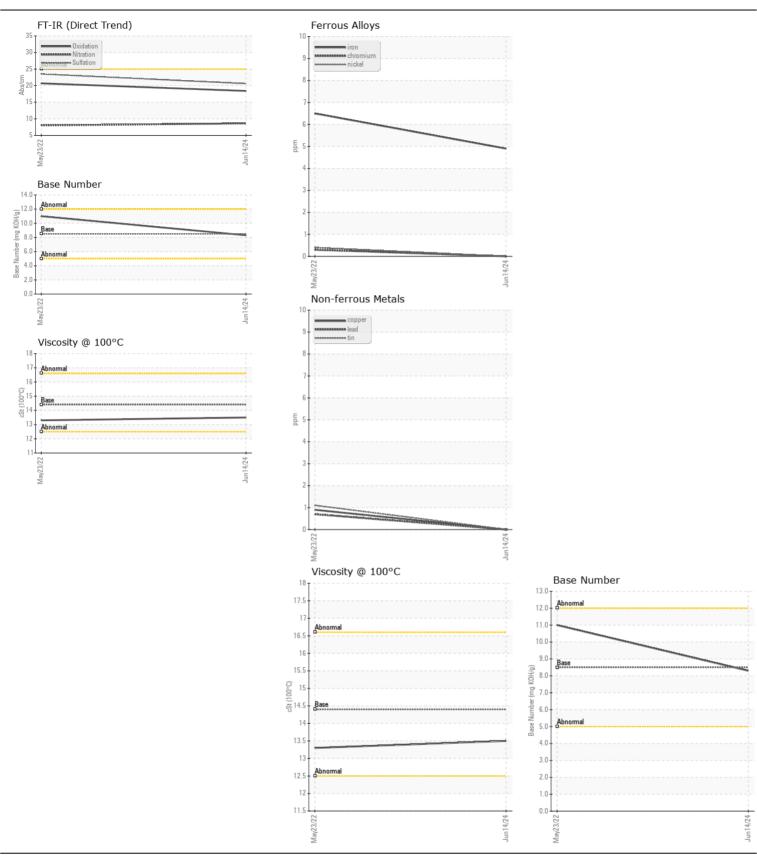
**NORMAL NORMAL NORMAL** 

Machine Id

1461397

Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
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.	Sample Number		Client Info		RPL0017011		
	Sample Date		Client Info		14 Jun 2024	23 May 2022	
	Machine Age	mls	Client Info		429190	315545	
	Oil Age	mls	Client Info		0	20000	
	Filter Age	mls	Client Info		0	20000	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	NORMAL	
WEAR	Iron	ppm	ASTM D5185m	<b>&gt;100</b>	5	6	
VLAII	Chromium		ASTM D5185m		0	<1	
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	<1	
	Titanium		ASTM D5185m	>4	0	0	
	Silver	ppm	ASTM D5185m	-3	0	<1	
	Aluminum	ppm	ASTM D5185m		3	2	
	Lead		ASTM D5185m		0	<1	
	Copper	ppm	ASTM D5185m		0	<1	
	Tin	ppm	ASTM D5185m		0	1	
	Vanadium	ppm	ASTM D5185m	710	0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
			VIOUUI	11011			
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	6	22	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	2	<1	
	Fuel		WC Method	>5	<1.0	<1.0	
	Water		WC Method	>0.2	NEG	NEG	
	Glycol		WC Method		NEG	NEG	
	Soot %	%	*ASTM D7844	>3	0.4	0.4	
	Nitration	Abs/cm	*ASTM D7624	>20	8.6	8.0	
	Sulfation	Abs/.1mm	*ASTM D7415	>30	20.6	23.5	
	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	
FLUID CONDITION	Sodium	ppm	ASTM D5185m	\150	2	1	
LOID CONDITION	Boron	ppm	ASTM D5185m		56	46	
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		79	45	
	Manganese	ppm	ASTM D5185m	100	<1	<1	
	Magnesium	ppm	ASTM D5185m	450	617	586	
	Calcium	ppm	ASTM D5185m		1570	1526	
	Phosphorus	ppm	ASTM D5185m		606	749	
	Zinc	ppm	ASTM D5185m		914	928	
	Sulfur	ppm	ASTM D5185m		3207	2969	
	Oxidation	Abs/.1mm	*ASTM D7414		18.4	20.7	
	Base Number (BN)				8.3	11	
		99					







Certificate L2367

Laboratory Sample No.

: RPL0017011 Lab Number : 06222085 Unique Number : 11100282 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 27 Jun 2024 **Tested** : 28 Jun 2024

> Diagnosed : 28 Jun 2024 - Wes Davis

625 South 27th Ave Phoenix, AZ US 85009

RTL PACLEASE - 7008 - Phoenix

Contact: Maurice Pilotte PilotteM@rushenterprises.com T: (602)566-5712

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

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

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