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

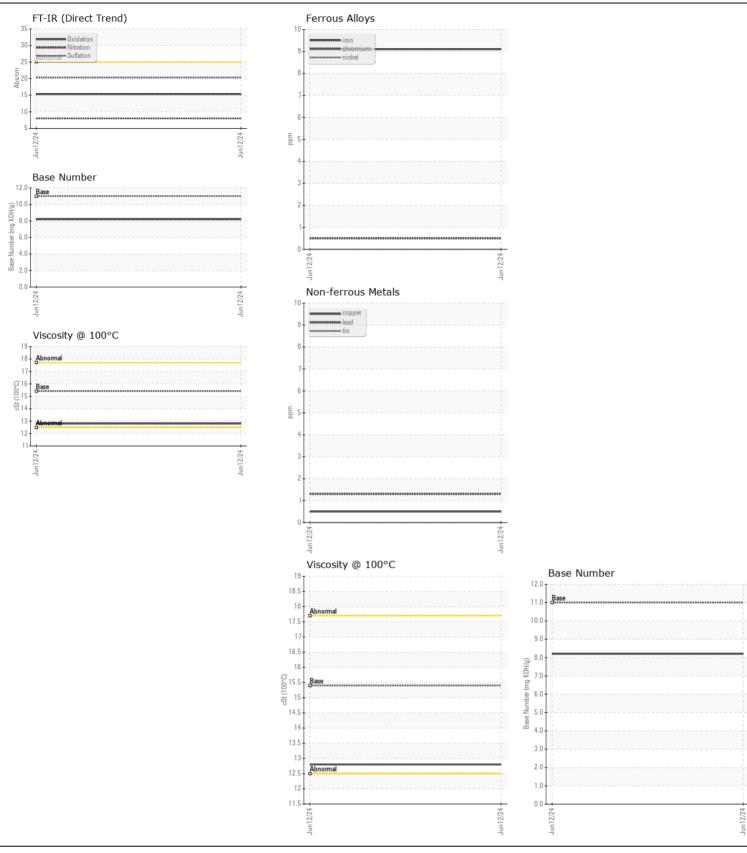
Machine Id

## **KENWORTH 496655**

Diesel Engine

CITCO CITCUARD 600 15W/0 (//8 OTS)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		RPL0004199		
	Sample Date		Client Info		12 Jun 2024		
	Machine Age	mls	Client Info		198008		
	Oil Age	mls	Client Info		6736		
	Filter Age	mls	Client Info		6736		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
WEAR	Iron	nnm	ASTM D5185m	<b>~</b> 90	9		
VEAN	Chromium	ppm	ASTM D5185m		9 <1		
All component wear rates are normal.		ppm					
	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		2		
	Lead	ppm	ASTM D5185m		1		
	Copper	ppm	ASTM D5185m		<1		
	Tin	ppm	ASTM D5185m	>15	0		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	4		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	6		
	Fuel		WC Method	>3.0	<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>6	0.5		
	Nitration	Abs/cm	*ASTM D7624	>20	8.0		
	Sulfation	Abs/.1mm	*ASTM D7415		20.3		
	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		*Visual	>0.2	NEG		
LUID CONDITION	Sodium	ppm	ASTM D5185m		<1		
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		2		
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m	57	67		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m	825	441		
	Calcium	ppm	ASTM D5185m	1100	1910		
	Phosphorus	ppm	ASTM D5185m	933	1098		
	Zinc	ppm	ASTM D5185m	1089	1411		
	Sulfur	ppm	ASTM D5185m	2769	4075		
	Oxidation	Abs/.1mm	*ASTM D7414		15.3		
	Base Number (BN)	mg KOH/g	ASTM D2896	11.0	8.2		







Certificate L2367

Laboratory Sample No.

: RPL0004199 Lab Number : 06223369 Unique Number: 11101566 Test Package : FLEET

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

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

: 01 Jul 2024 Diagnosed : 01 Jul 2024 - Wes Davis 8109 East Adamo Drive Tampa, FL

US 33619 Contact: Michael Reid REIDM@RushEnterprises.com T: (813)371-2130

RTL PACLEASE - 7025 - Tampa

\* - 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)