WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

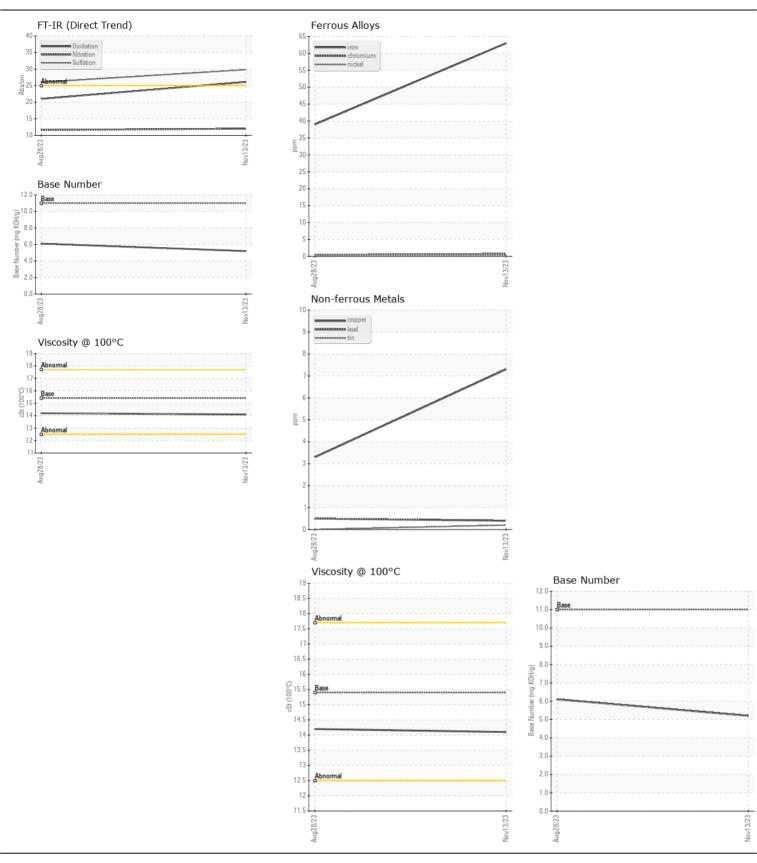
Machine Id

PETERBILT 453655

Diesel Engine

CITGO CITGUARD 600 15W40 (46 QTS)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		RPL0012782	RPL0004595	
	Sample Date		Client Info		13 Nov 2023	28 Aug 2023	
	Machine Age	hrs	Client Info		8842	8184	
	Oil Age	hrs	Client Info		648	890	
	Filter Age	hrs	Client Info		1094	890	
	Oil Changed		Client Info		Changed	Not Changd	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	NORMAL	
WEAR	Iron	ppm	ASTM D5185m	>100	63	39	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	<1	<1	
	Nickel	ppm	ASTM D5185m	>4	<1	<1	
	Titanium	ppm	ASTM D5185m		<1	<1	
	Silver	ppm	ASTM D5185m	>3	0	0	
	Aluminum	ppm	ASTM D5185m	>20	8	6	
	Lead	ppm	ASTM D5185m	>40	<1	<1	
	Copper	ppm	ASTM D5185m	>330	7	3	
	Tin	ppm	ASTM D5185m	>15	<1	0	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Ciliana		ACTM DE105	05	44		
CONTAMINATION	Silicon	ppm	ASTM D5185m		11	9	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		20	19	
	Fuel		WC Method		<1.0	<1.0	
	Water		WC Method WC Method	>0.2	NEG NEG	NEG NEG	
	Glycol Soot %	%	*ASTM D7844	. 2	1	0.7	
	Nitration	Abs/cm	*ASTM D7644	>20	12.0	11.6	
	Sulfation	Abs/.1mm	*ASTM D7024		29.8	26.0	
	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		*Visual	>0.2	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		15	14	
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		31	83	
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		9	9	
	Molybdenum	ppm	ASTM D5185m	57	79	76	
	Manganese	ppm	ASTM D5185m		<1	<1	
	Magnesium	ppm	ASTM D5185m		483	465	
	Calcium	ppm	ASTM D5185m	1100	1641	1630	
	Phosphorus	ppm	ASTM D5185m		1008	1028	
	Zinc	ppm	ASTM D5185m		1285	1261	
	Sulfur	ppm	ASTM D5185m		3009	3129	
	Oxidation	Abs/.1mm	*ASTM D7414		26.1	21.0	
	Base Number (BN)				5.2	6.1	
	Visc @ 100°C	cSt	ASTM D445	15.4	14.1	14.2	







Certificate L2367

Laboratory Sample No.

Lab Number : 06013656 Unique Number : 10752800 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 21 Nov 2023 : RPL0012782 **Tested** : 21 Nov 2023

> Diagnosed : 23 Nov 2023 - Don Baldridge

RTL PACLEASE - 7010 - Florida 9407 Bachman Road Orlando, FL US 32824

Contact: John Churchwell

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* - 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)

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