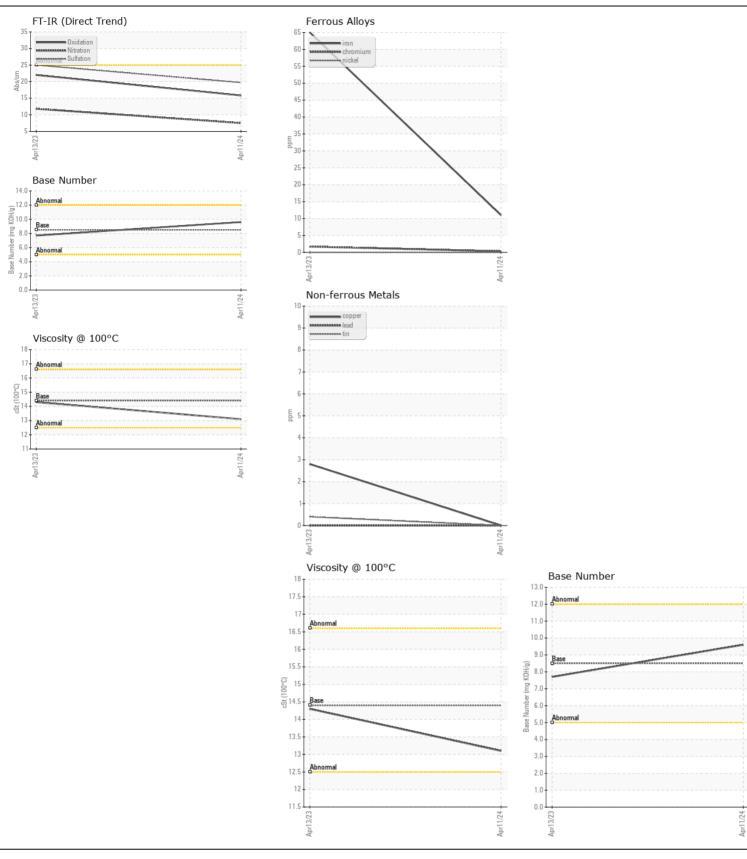
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

Machine Id 112245

Component Diesel Engine

DIESEL ENGINE OIL SAE 40 (QTS)							
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		IL06151622	IL05847772	
	Sample Date		Client Info		11 Apr 2024	13 Apr 2023	
	Machine Age	hrs	Client Info		6148	1816	
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		N/A	N/A	
	Filter Changed		Client Info		N/A	N/A	
	Sample Status				NORMAL	NORMAL	
WEAR	Iron	ppm	ASTM D5185m	>100	11	65	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	<1	2	
	Nickel	ppm	ASTM D5185m	>4	0	0	
	Titanium	ppm	ASTM D5185m		0	<1	
	Silver	ppm	ASTM D5185m	>3	0	0	
	Aluminum	ppm	ASTM D5185m	>20	<1	<1	
	Lead	ppm	ASTM D5185m	>40	0	0	
	Copper	ppm	ASTM D5185m	>330	0	3	
	Tin	ppm	ASTM D5185m	>15	0	<1	
	Vanadium	ppm	ASTM D5185m		<1	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	2	8	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	0	<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	1.5	
	Nitration	Abs/cm	*ASTM D7624	>20	7.5	11.8	
	Sulfation	Abs/.1mm	*ASTM D7415	>30	19.7	25.0	
	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	scalar	*Visual	>0.2	NEG	NEG	
LUID CONDITION	Codium		ACTM DE10Em	. 016		0	
FLUID CONDITION	Sodium	ppm	ASTM D5185m ASTM D5185m		0	2	
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		3		
	Barium	ppm			0 57	0 57	
	Molybdenum	ppm	ASTM D5185m ASTM D5185m	100	57	57 1	
	Manganese	ppm		150	<1		
	Magnesium	ppm	ASTM D5185m		946	930	
	Calcium	ppm	ASTM D5185m		1093	1129	
	Phosphorus	ppm	ASTM D5185m		1006	965	
	Zinc	ppm	ASTM D5185m		1215	1245	
	Sulfur Oxidation	ppm Abo/ 1mm	ASTM D5185m		3690	3180	
		Abs/.1mm	*ASTM D7414		15.8	22.0	
	Base Number (BN)	0 0	ASTM D2896		9.6	7.7	
	Visc @ 100°C	cSt	ASTM D445		13.1	14.3	







Certificate L2367

Laboratory Sample No.

: IL06151622 Lab Number : 06151622 Unique Number : 10981700 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Apr 2024 **Tested** : 19 Apr 2024

Diagnosed : 19 Apr 2024 - Wes Davis

RUSH TRUCK LEASING - CINCINNATI IDEALEASE 11777 HIGHWAY DRIVE

CINCINNATI, OH US 45241

Contact: ROBERT BAIER baierr@rushenterprises.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. T: (513)657-7901 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (513)733-0537