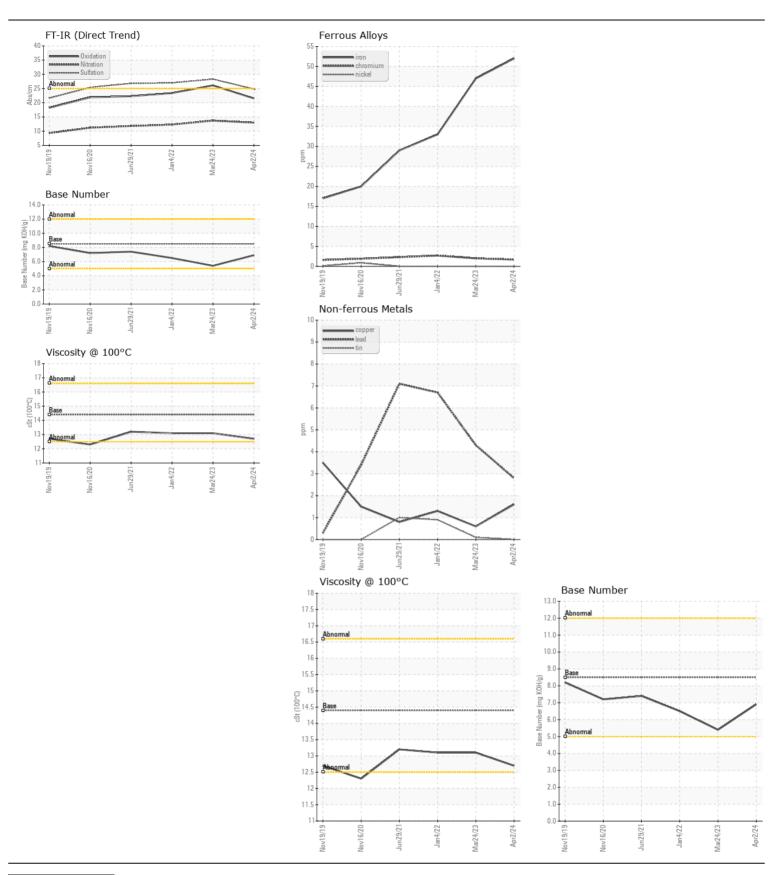
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

Machine Id 161947

Component Diesel Engine

Diesel Engine Pluid DIESEL ENGINE OIL SAE 40 (QTS)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info	Littleyton	IL06151608	IL05832355	IL05443749
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 Date		Client Info		02 Apr 2024	24 Mar 2023	04 Jan 2022
	Machine Age	hrs	Client Info		10579	9642	6845
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed	1110	Client Info		N/A	N/A	N/A
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status		Oliciti IIIIo		NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	52	47	33
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	2	2	3
	Nickel	ppm	ASTM D5185m	>4	0	0	0
	Titanium	ppm	ASTM D5185m		0	0	<1
	Silver	ppm	ASTM D5185m	>3	0	0	<1
	Aluminum	ppm	ASTM D5185m	>20	8	6	7
	Lead	ppm	ASTM D5185m	>40	3	4	7
	Copper	ppm	ASTM D5185m	>330	2	<1	1
	Tin	ppm	ASTM D5185m	>15	0	<1	<1
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Ciliana		ACTM DE10E	05			
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.	Silicon	ppm	ASTM D5185m		6	6	8
	Potassium	ppm	ASTM D5185m		12	8	14
	Fuel		WC Method		<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol	21	WC Method	0	NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0.6	0.8	0.6
	Nitration	Abs/cm	*ASTM D7624	>20	13.0	13.7	12.3
	Sulfation	Abs/.1mm	*ASTM D7415		24.8	28.3	27
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>216	3	1	2
	Boron	ppm	ASTM D5185m		10	4	5
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	0
	Molybdenum	ppm	ASTM D5185m		54	62	56
	Manganese	ppm	ASTM D5185m		<1	1	<1
	Magnesium	ppm	ASTM D5185m	450	832	1004	940
	Calcium	ppm	ASTM D5185m		1259	1462	1235
	Phosphorus	ppm	ASTM D5185m		995	1121	1029
	Zinc	ppm	ASTM D5185m		1160	1454	1182
	Sulfur	ppm	ASTM D5185m		3268	3539	2804
	Oxidation	Abs/.1mm	*ASTM D7414		21.5	26.1	23.4
	Base Number (BN)				6.9	5.4	6.5
	Visc @ 100°C	cSt	ASTM D445		12.7	13.1	13.1







Certificate L2367

Laboratory Sample No.

Lab Number : 06151608 Unique Number: 10981686

: IL06151608 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