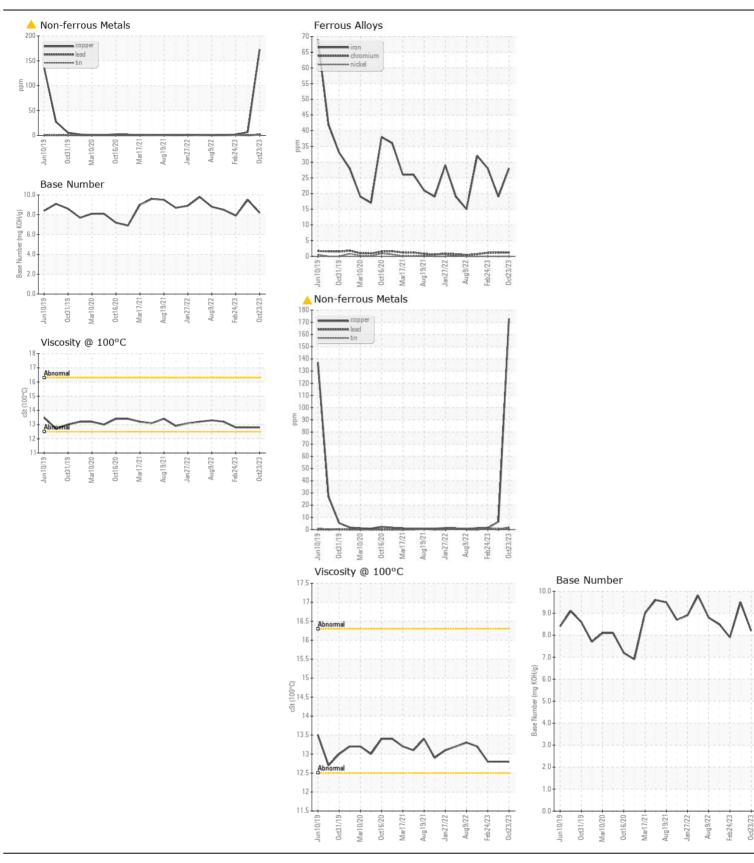
WEAR CONTAMINATION **FLUID CONDITION**

ABNORMAL NORMAL **NORMAL**

Machine Id INTERNATIONAL 441348

INTERNATIONAL 441348 Component Diesel Engine Fluid MOBIL 15W40 (20 QTS)					-,		
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number	00	Client Info	21111071011	IL0030497	,	IL0026657
No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Date		Client Info		23 Oct 2023	28 Jul 2023	24 Feb 2023
	Machine Age	mls	Client Info		338661	316358	292286
	Oil Age	mls	Client Info		198566	200335	0
	Filter Age	mls	Client Info		0	0	0
	Oil Changed		Client Info		N/A	N/A	N/A
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAD	Iron	nnm	ASTM D5185m	. 120	200	10	20
WEAR	Iron	ppm			28	19	28
The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other component wear rates are normal.	Chromium Nickel	ppm	ASTM D5185m		1	0	0
		ppm	ASTM D5185m ASTM D5185m		0	0	0 <1
	Titanium Silver	ppm			<1 0	<1	
	Aluminum	ppm	ASTM D5185m ASTM D5185m			<1 8	0
		ppm	ASTM D5185m		6 2	0	1
	Lead Copper	ppm	ASTM D5185m		∠ ▲ 173	6	1
	Tin	ppm	ASTM D5185m		<1	<1	<1
	Vanadium	ppm	ASTM D5185m	24	<1	<1	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
			v 150aa1	11011			140142
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	25	△ 62	6
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	4	3	3
	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>6	0.6	0.3	0.9
	Nitration	Abs/cm	*ASTM D7624	>20	9.6	6.7	12.4
	Sulfation	Abs/.1mm	*ASTM D7415		20.9	21.5	23.8
	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
<u></u>	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>118	2	4	0
	Boron	ppm	ASTM D5185m		5	49	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		2	<1	0
	Molybdenum	ppm	ASTM D5185m		62	41	67
	Manganese	ppm	ASTM D5185m		1	3	1
	Magnesium	ppm	ASTM D5185m		972	496	1080
	Calcium	ppm	ASTM D5185m		1129	1697	1377
	Phosphorus	ppm	ASTM D5185m		1039	732	1111
	Zinc	ppm	ASTM D5185m		1273	941	1389
	Sulfur	ppm	ASTM D5185m		2920	2883	3653
	Oxidation	Abs/.1mm	*ASTM D7414	>25	18.3	19.5	20.3
	Base Number (BN)	0 0			8.2	9.5	7.9
	Visc @ 100°C	cSt	ASTM D445		12.8	12.8	12.8







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: IL0030497 : 06064837 : 10836219 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 18 Jan 2024 Recieved Diagnosed : 21 Jan 2024

Diagnostician : Don Baldridge

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.

CHARLOTTE, NC US 28206

RUSH TRUCK LEASING - CHARLOTTE IDEALEASE

Contact: JERRY DIXON dixonj@rushenterprises.com

1333 AMERON DR

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