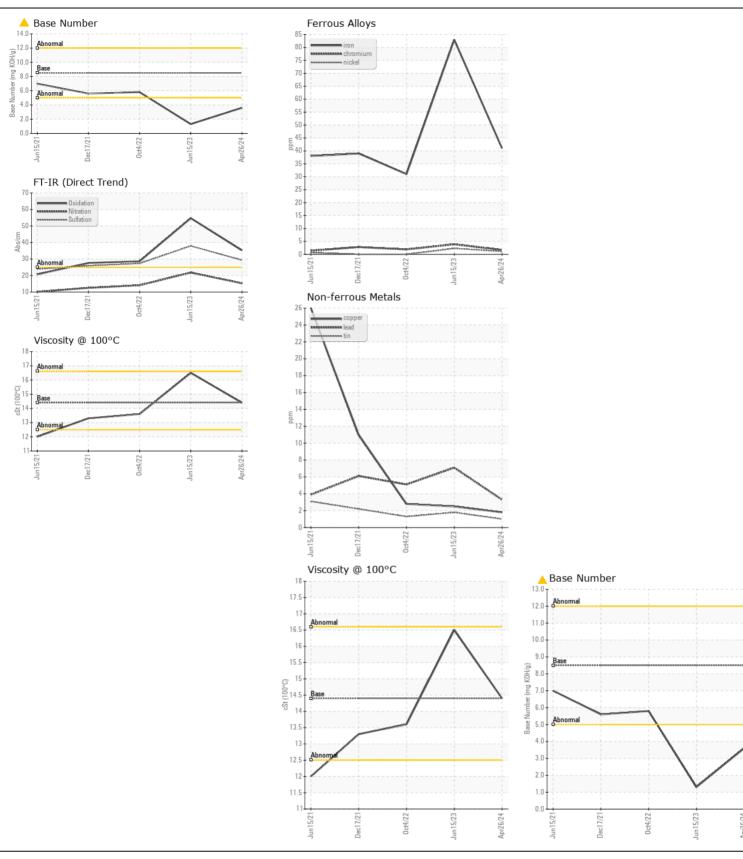
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL ABNORMAL

Machine Id 472203

Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
ILCOMMILIADA HON	Sample Number	OOW	Client Info	LITTIU/ADIT	IL0036514	,	
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Date		Client Info		26 Apr 2024	15 Jun 2023	04 Oct 202
	Machine Age	mls	Client Info		323090	236335	172100
	Oil Age	mls	Client Info		35244	64235	42995
	Filter Age	mls	Client Info		35244	64235	42995
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Change
	Sample Status				ABNORMAL	ABNORMAL	NORMAI
VEAR	Iron	ppm	ASTM D5185m	>100	41	83	31
	Chromium	ppm	ASTM D5185m	>20	2	4	2
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>4	1	2	0
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m	>3	0	<1	<1
	Aluminum	ppm	ASTM D5185m	>20	3	6	11
	Lead	ppm	ASTM D5185m	>40	3	7	5
	Copper	ppm	ASTM D5185m	>330	2	2	3
	Tin	ppm	ASTM D5185m	>15	1	2	1
	Vanadium	ppm	ASTM D5185m		<1	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NON
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NON
CONTAMINATION	Silicon	ppm	ASTM D5185m		5	7	7
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		8	12	21
	Fuel		WC Method		<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0.5	0.8	0.7
	Nitration	Abs/cm	*ASTM D7624	>20	15.3	21.8	14.1
	Sulfation	Abs/.1mm	*ASTM D7415		29.3	37.9	27.3
	Silt	scalar	*Visual	NONE	NONE	NONE	NON
	Debris	scalar	*Visual	NONE	NONE	NONE	NON
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NON
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NOR
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
LUID CONDITION	Sodium	ppm	ASTM D5185m		0	3	0
he BN level is low.	Boron	ppm	ASTM D5185m		<1	4	9
	Barium	ppm	ASTM D5185m		2	0	0
	Molybdenum	ppm	ASTM D5185m	100	67	68	56
	Manganese	ppm	ASTM D5185m	4=0	<1	2	<1
	Magnesium	ppm	ASTM D5185m		953	1024	638
	Calcium	ppm	ASTM D5185m	3000	1114	1233	1360
	Phosphorus	ppm	ASTM D5185m		1104	1106	823
	Zinc	ppm	ASTM D5185m		1249	1364	1015
	Sulfur	ppm	ASTM D5185m		3047	3262	2700
	Oxidation	Abs/.1mm	*ASTM D7414		35.2	54.7	28.6
	Base Number (BN)		ASTM D2896		▲ 3.6	<u> </u>	5.8
	Visc @ 100°C	cSt	ASTM D445	14.4	14.4	16.5	13.6







Laboratory Sample No.

: IL0036514 Lab Number : 06176496 Unique Number : 11022549 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 10 May 2024 **Tested**

: 13 May 2024 : 14 May 2024 - Sean Felton Diagnosed

RUSH TRUCK LEASING - CLEVELAND IDEALEASE

5 ACORN DR OAKWOOD VILLAGE, OH

US 44146-5550 Contact: JOHN FOSTER

FosterJ4@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: (440)359-7000 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (440)439-5657