WEAR CONTAMINATION FLUID CONDITION

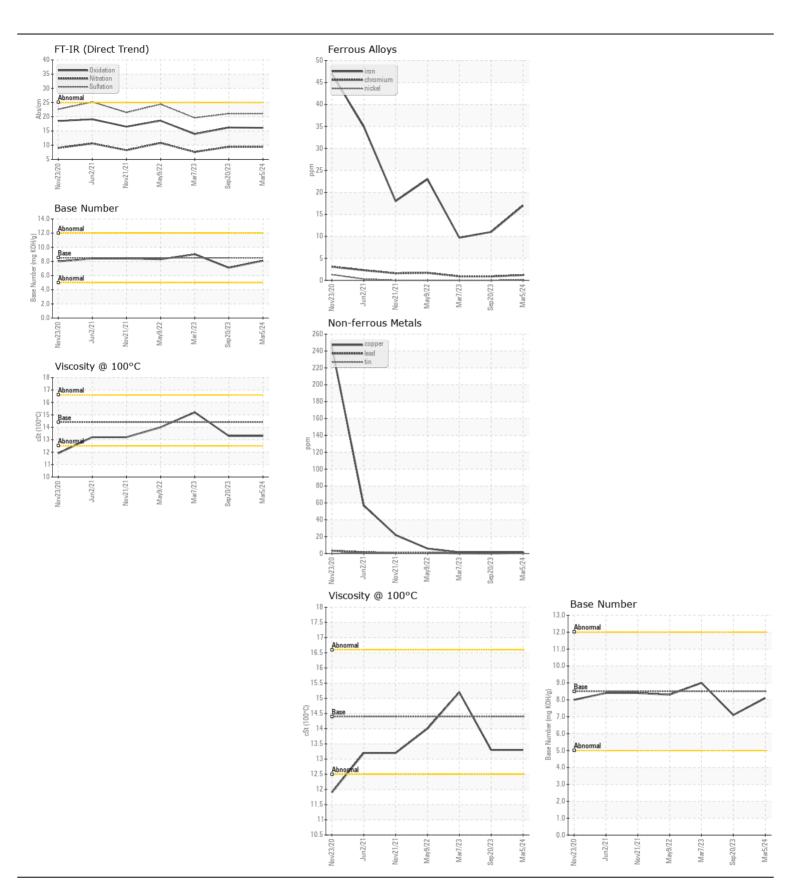
NORMAL NORMAL

Machine Id

162106

Component Diesel Engine

DIESEL ENGINE OIL SAE 40 (QTS)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
TIEGOWIMENDATION	Sample Number	OOW	Client Info	LITTION	IL06151624	IL05982182	
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		05 Mar 2024		07 Mar 2023
	Machine Age	hrs	Client Info		7625	6690	5613
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	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				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	17	11	10
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	1	<1	<1
	Nickel	ppm	ASTM D5185m	>4	<1	0	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	3	4	3
	Lead	ppm	ASTM D5185m	>40	<1	0	<1
	Copper	ppm	ASTM D5185m	>330	2	1	2
	Tin	ppm	ASTM D5185m	>15	0	<1	0
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	7	6	6
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	3	8	6
	Fuel		WC Method	>5	<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	1	0.8	0.6
	Nitration	Abs/cm	*ASTM D7624	>20	9.4	9.4	7.6
	Sulfation	Abs/.1mm	*ASTM D7415		21.1	21.1	19.6
	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		2	1	2
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		<1	7	3
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	<1	0
	Molybdenum	ppm	ASTM D5185m	100	62	61	51
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		915	902	853
	Calcium	ppm	ASTM D5185m	3000	1072	1168	1117
	Phosphorus	ppm	ASTM D5185m		958	977	950
	Zinc	ppm	ASTM D5185m		1137	1197	1152
	Sulfur	ppm	ASTM D5185m		3344	2919	3171
	Oxidation	Abs/.1mm	*ASTM D7414		16.1	16.2	13.9
	Base Number (BN)				8.1	7.1	9.0
	Visc @ 100°C	cSt	ASTM D445	14.4	13.3	13.3	15.2







Certificate L2367

Laboratory Sample No.

Lab Number : 06151624 Unique Number : 10981702 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : IL06151624

Tested Diagnosed

Received : 17 Apr 2024 : 18 Apr 2024 : 18 Apr 2024 - Wes Davis

RUSH TRUCK LEASING - CINCINNATI IDEALEASE

11777 HIGHWAY DRIVE CINCINNATI, OH

US 45241 Contact: ROBERT BAIER

baierr@rushenterprises.com T: (513)657-7901

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.

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

F: (513)733-0537