WEAR CONTAMINATION FLUID CONDITION

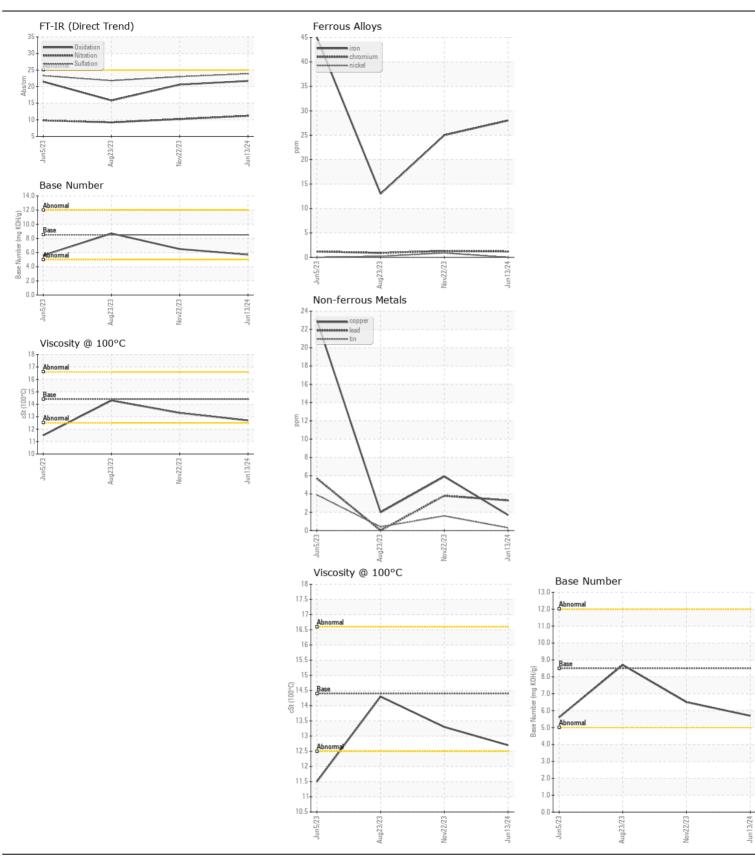
NORMAL NORMAL NORMAL

Machine Id

168421

Component Diesel Engine

DIESEL ENGINE OIL SAE 40 (QTS)							
RECOMMENDATION Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm. Please specify the component make and model with your next sample.	Toot	LIOM	Mothod	Limit/Abn	Current	Lliatorud	Lliotom
	Test Sample Number	UOM	Method Client Info	Limit/Abn	Current IL06217728	History1 IL06035581	History2 IL05951240
	Sample Date		Client Info		13 Jun 2024	22 Nov 2023	23 Aug 2023
	Machine Age	hrs	Client Info		3452	2065	1396
	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	28	25	13
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	1	1	<1
	Nickel	ppm	ASTM D5185m	>4	0	<1	<1
	Titanium	ppm	ASTM D5185m		0	<1	0
	Silver	ppm	ASTM D5185m		<1	<1	0
	Aluminum	ppm	ASTM D5185m		2	4	8
	Lead	ppm	ASTM D5185m		3	4	0
	Copper	ppm	ASTM D5185m		2	6	2
	Tin	ppm	ASTM D5185m	>15	<1	2	<1
	Vanadium	ppm	ASTM D5185m	NONE	<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	11	6
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		3	15	7
There is no indication of any contamination in the oil.	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		0.4	0.3	1.5
	Nitration	Abs/cm		>20	11.2	10.2	9.2
	Sulfation	Abs/.1mm	*ASTM D7415		23.9	23.0	21.8
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual *Visual	NONE NORML	NONE NORML	NONE NORML	NONE NORML
	Appearance Odor	scalar scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water			>0.2	NEG	NEG	NEG
			v 150aa1			1420	IVLO
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>216	1	0	2
The DNI was all inclinates that the walls a stable all clinits was a single at the	Boron	ppm	ASTM D5185m	250	2	2	3
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	10	0	13	0
	Molybdenum	ppm	ASTM D5185m	100	62	60	58
	Manganese	ppm	ASTM D5185m		<1	1	<1
	Magnesium	ppm	ASTM D5185m		960	891	948
	Calcium	ppm	ASTM D5185m		1179	1135	1135
	Phosphorus	ppm	ASTM D5185m		1056	928	1027
	Zinc	ppm	ASTM D5185m		1324	1207	1276
	Sulfur	ppm	ASTM D5185m		3221	3138	3738
	Oxidation	Abs/.1mm	*ASTM D7414		21.7	20.6	15.8
	Base Number (BN)				5.7	6.5	8.7
	Visc @ 100°C	cSt	ASTM D445	14.4	12.7	13.3	14.3







Certificate L2367

Laboratory Sample No.

: IL06217728 Lab Number : 06217728 Unique Number : 11090592 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 Jun 2024 **Tested**

: 25 Jun 2024 Diagnosed : 25 Jun 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