WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

Machine Id

181802

Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		IL06151634	IL06035586	IL05917266
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		08 Mar 2024	22 Nov 2023	14 Jul 2023
	Machine Age	hrs	Client Info		6522	6250	5929
	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
VEAR	Iron	ppm	ASTM D5185m	>100	19	34	38
	Chromium	ppm	ASTM D5185m	>20	<1	1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	<1	<1
	Titanium	ppm	ASTM D5185m		0	<1	0
	Silver	ppm	ASTM D5185m	>3	0	0	<1
	Aluminum	ppm	ASTM D5185m	>20	5	7	7
	Lead	ppm	ASTM D5185m	>40	0	0	0
	Copper	ppm	ASTM D5185m	>330	0	1	1
	Tin	ppm	ASTM D5185m	>15	<1	<1	<1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	4	7	8
	Potassium	ppm	ASTM D5185m	>20	1	8	6
There is no indication of any contamination in the oil.	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	>3	0.5	1	0.7
	Nitration	Abs/cm	*ASTM D7624	>20	11.4	13.3	12.4
	Sulfation	Abs/.1mm	*ASTM D7415	>30	21.5	24.7	22.8
	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	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>158	0	0	0
	Boron	ppm	ASTM D5185m	250	4	1	10
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	12	0
	Molybdenum	ppm	ASTM D5185m	100	65	69	90
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m	450	970	982	1313
	Calcium	ppm	ASTM D5185m	3000	1120	1156	1786
	Phosphorus	ppm	ASTM D5185m	1150	1106	1018	1506
	Zinc	ppm	ASTM D5185m	1350	1316	1287	1826
	Sulfur	ppm	ASTM D5185m	4250	3503	3300	4373
	Oxidation	Abs/.1mm	*ASTM D7414	>25	19.2	23.7	21.5
	Base Number (BN)	mg KOH/g	ASTM D2896	8.5	7.3	5.5	7.5
				14.4			







Certificate L2367

Laboratory Sample No.

: IL06151634 Lab Number : 06151634 Unique Number : 10981712 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Apr 2024 **Tested** : 18 Apr 2024

Diagnosed : 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