WEAR CONTAMINATION **FLUID CONDITION**

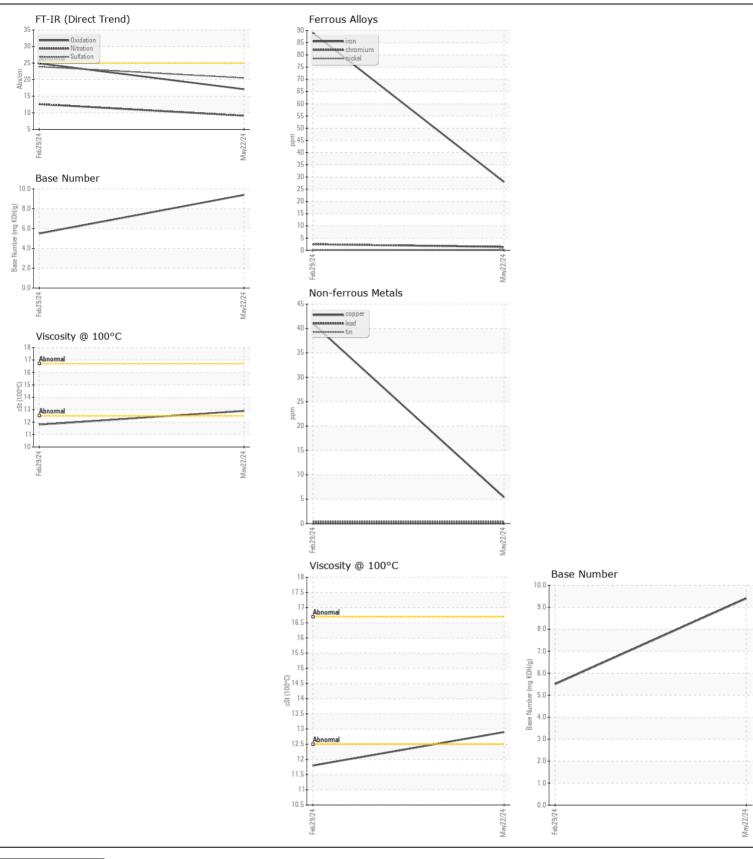
NORMAL NORMAL NORMAL

Machine Id

84469

Component
Diesel Engine

not provided} (QTS)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: Hours=765)	Sample Number		Client Info		IL0033814	IL0030617	
	Sample Date		Client Info		22 May 2024	29 Feb 2024	
	Machine Age	mls	Client Info		26099	15799	
	Oil Age	mls	Client Info		26099	0	
	Filter Age	mls	Client Info		0	0	
	Oil Changed		Client Info		Changed	N/A	
	Filter Changed		Client Info		Changed	N/A	
	Sample Status				NORMAL	NORMAL	
VEAR	Iron	ppm	ASTM D5185m	>100	28	89	
	Chromium	ppm	ASTM D5185m	>20	1	2	
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	<1	
	Titanium	ppm	ASTM D5185m		0	0	
	Silver	ppm	ASTM D5185m	>3	0	0	
	Aluminum	ppm	ASTM D5185m		6	12	
	Lead	ppm	ASTM D5185m		0	0	
	Copper	ppm	ASTM D5185m	>330	5	41	
	Tin	ppm	ASTM D5185m		<1	<1	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
ONTAMINATION	Silicon	ppm	ASTM D5185m	>25	9	31	
ONTAMINATION	Potassium	ppm	ASTM D5185m		13	31	
There is no indication of any contamination in the oil.	Fuel	ppiii	WC Method		<1.0	1.9	
	Water		WC Method		NEG	NEG	
	Glycol		WC Method	7 U.L	NEG	NEG	
	Soot %	%	*ASTM D7844	\3	0.5	0.7	
	Nitration	Abs/cm	*ASTM D7624	>20	9.1	12.6	
	Sulfation	Abs/.1mm	*ASTM D7415		20.5	23.9	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water		*Visual	>0.2	NEG	NEG	
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Sodium	ppm	ASTM D5185m		3	7	
	Boron	ppm	ASTM D5185m		6	23	
	Barium	ppm	ASTM D5185m		0	7	
	Molybdenum	ppm	ASTM D5185m		62	47	
	Manganese	ppm	ASTM D5185m		2	7	
	Magnesium	ppm	ASTM D5185m		972	842	
	Calcium	ppm	ASTM D5185m		1151	1212	
	Phosphorus	ppm	ASTM D5185m		1083	700	
	Zinc	ppm	ASTM D5185m		1289	898	
	Sulfur	ppm	ASTM D5185m		3684	1942	
	Oxidation	Abs/.1mm	*ASTM D7414	>25	17.1	24.9	
	Base Number (BN)	mg KOH/g	ASTM D2896		9.4	5.5	
	Visc @ 100°C	cSt	ASTM D445		12.9	11.8	







Certificate L2367

Laboratory Sample No.

: IL0033814 Lab Number : 06212826 Unique Number : 11085690 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Jun 2024 **Tested** : 19 Jun 2024

Diagnosed : 19 Jun 2024 - Angela Borella

RUSH TRUCK LEASING - CHARLOTTE IDEALEASE

1333 AMERON DR CHARLOTTE, NC US 28206

T: (704)333-4507

Contact: JERRY DIXON dixonj@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.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (704)333-4508