WEAR CONTAMINATION **FLUID CONDITION**

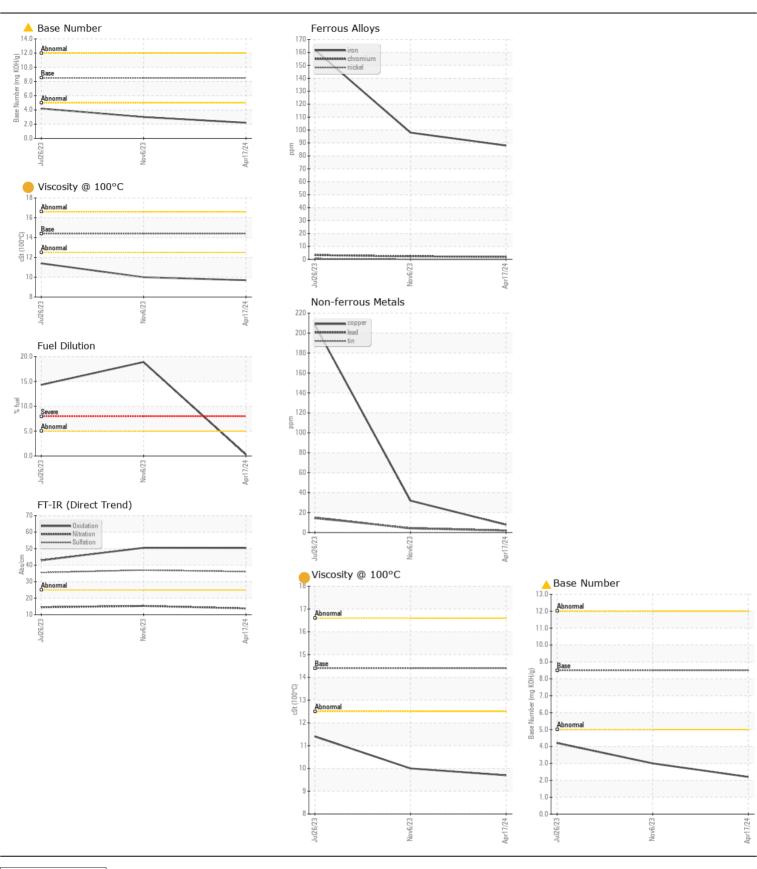
NORMAL NORMAL ABNORMAL

Machine Id

1846L

Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		IL06175101	IL0032401	IL0032297
The oil is near the end of it's useful service life, recommend schedule an oil change. Resample at the next service interval to monitor.	Sample Date		Client Info		17 Apr 2024	06 Nov 2023	26 Jul 2023
	Machine Age	mls	Client Info		0	23839	12386
	Oil Age	mls	Client Info		15000	0	0
	Filter Age	mls	Client Info		0	0	0
	Oil Changed		Client Info		N/A	N/A	Changed
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				ABNORMAL	SEVERE	SEVERE
VEAR	Iron	ppm	ASTM D5185m	>100	88	98	<u>^</u> 162
VEAIL	Chromium	ppm	ASTM D5185m		2	2	3
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	<1
	Titanium	ppm	ASTM D5185m		0	0	<1
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m		7	11	20
	Lead	ppm	ASTM D5185m		2	4	15
	Copper	ppm	ASTM D5185m		- 8	32	208
	Tin	ppm	ASTM D5185m		2	5	14
	Vanadium	ppm	ASTM D5185m		0	<1	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon		ACTM DE105	٥٦	•	00	A 100
CONTAMINATION		ppm	ASTM D5185m		9 4	23 16	<u>100</u>
Tests indicate that there is no fuel present in the oil. There is no	Potassium Fuel	ppm o/	ASTM D5185m ASTM D3524			▲ 18.9	35 ▲ 14.3
indication of any contamination in the oil.	Water	%	WC Method		0.3 NEG	NEG	NEG
	Glycol		WC Method	>0.2	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	~3	1.5	1.6	1.4
	Nitration	Abs/cm	*ASTM D7624	>20	13.8	15.3	14.5
	Sulfation	Abs/.1mm	*ASTM D7415		36.1	37.0	35.5
	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	<15Ω	1	2	6
LOID CONDITION	Boron	ppm	ASTM D5185m		0	<1	31
The oil viscosity is lower than normal. The BN level is low. Confirm oil type.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		50	45	2
	Manganese	ppm	ASTM D5185m	100	<1	1	3
	Magnesium	ppm	ASTM D5185m	450	773	771	648
	Calcium	ppm	ASTM D5185m	3000	850	917	1248
	Phosphorus	ppm	ASTM D5185m		836	862	893
	Zinc	ppm	ASTM D5185m		958	1032	1145
	Sulfur	ppm	ASTM D5185m		2396	2349	3380
	Oxidation	Abs/.1mm	*ASTM D7414		50.4	50.5	42.9
	Base Number (BN)				2.2	△ 3.0	4.2
	\ /	0					





Laboratory Sample No. Unique Number: 11021154

Lab Number : 06175101

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : IL06175101

Received **Tested**

: 10 May 2024 : 15 May 2024 Diagnosed

: 15 May 2024 - Don Baldridge

RUSH TRUCK CENTER - CHICAGO IDEALEASE 4655 SOUTH CENTRAL AVENUE CHICAGO, IL

linleym@rushtruckcenters.com

US 60638 Contact: MIKE LINLEY

Test Package : FLEET (Additional Tests: PercentFuel) Certificate L2367 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)

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