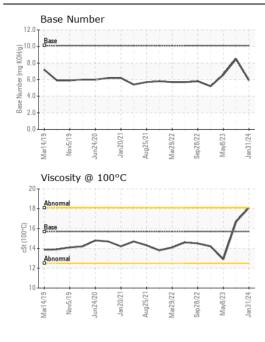
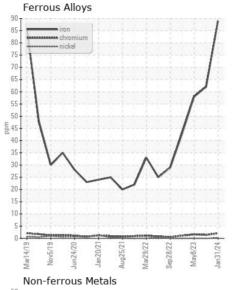
**WEAR** CONTAMINATION **FLUID CONDITION**  **NORMAL NORMAL NORMAL** 

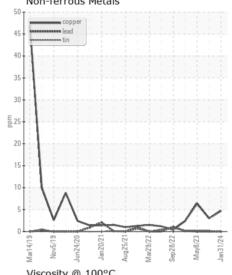
## **INTERNATIONAL 108776**

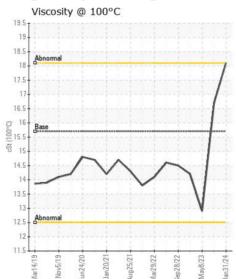
Component
Diesel Engine

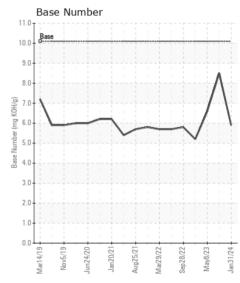
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		IL0032951	IL0032729	IL002755
Resample at the next service interval to monitor.	Sample Date		Client Info		31 Jan 2024	03 Oct 2023	08 May 202
	Machine Age	mls	Client Info		340001	321138	299177
	Oil Age	mls	Client Info		18863	21961	18985
	Filter Age	mls	Client Info		18863	21961	18985
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	89	62	58
	Chromium	ppm	ASTM D5185m	>20	2	1	2
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>4	<1	0	0
	Titanium	ppm	ASTM D5185m		<1	0	<1
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	14	12	3
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m	>330	5	3	6
	Tin	ppm	ASTM D5185m	>15	0	<1	<1
	Vanadium	ppm	ASTM D5185m		0	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	11	5	9
	Potassium	ppm	ASTM D5185m		10	7	4
There is no indication of any contamination in the oil.	Fuel	pp	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	1.5	1.8	2.4
	Nitration	Abs/cm	*ASTM D7624	>20	19.8	14.6	16.9
	Sulfation	Abs/.1mm	*ASTM D7415	>30	43.1	31.2	35.2
	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
	<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		4	3	3
LOID CONDITION	Boron	ppm	ASTM D5185m	316	50	72	58
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		0	0	0
	Molybdenum	ppm	ASTM D5185m		83	40	80
	Manganese	ppm	ASTM D5185m	1.2	<1	<1	<1
	Magnesium	ppm	ASTM D5185m	24	731	319	102
	Calcium	ppm	ASTM D5185m		2629	2404	2518
	Phosphorus	ppm	ASTM D5185m		1486	1203	1101
	Zinc	ppm	ASTM D5185m		1879	1543	1415
	Sulfur	ppm	ASTM D5185m		3743	3693	3811
	Oxidation	Abs/.1mm	*ASTM D7414		47.6	28.9	31.9
	Base Number (BN)				5.9	8.5	6.6
							0.0













Certificate L2367

Laboratory Sample No.

: IL0032951 Lab Number : 06087020 Unique Number: 10874465 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 13 Feb 2024 **Tested** : 14 Feb 2024

Diagnosed

: 14 Feb 2024 - Don Baldridge

611 HANSEN ROAD GREEN BAY, WI US 54304 Contact: GARY KOLTZ

**IDEALEASE OF NORTHWEST WI** 

gkoltz@pcitrucks.com

T: (920)499-6200 F: (920)499-5332

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)