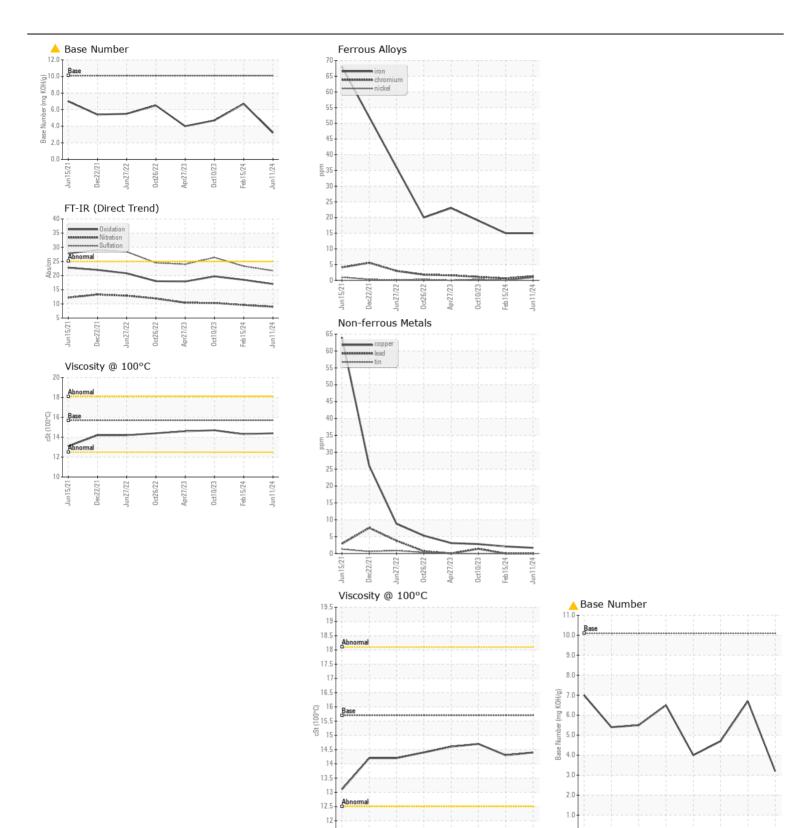
**WEAR** CONTAMINATION **FLUID CONDITION** 

**NORMAL NORMAL ABNORMAL** 

Machine Id 111526

Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number		Client Info		IL0032947	IL0032966	IL003274
	Sample Date		Client Info		11 Jun 2024	15 Feb 2024	10 Oct 202
	Machine Age	mls	Client Info		290508	259771	231575
	Oil Age	mls	Client Info		30737	28196	39915
	Filter Age	mls	Client Info		30737	28196	39915
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ABNORMAL	NORMAL	NORMAI
VEAR	Iron	ppm	ASTM D5185m	>100	15	15	19
	Chromium	ppm	ASTM D5185m		1	<1	1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	0	<1
	Titanium	ppm	ASTM D5185m		0	0	<1
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m		3	2	5
	Lead	ppm	ASTM D5185m		0	0	1
	Copper	ppm	ASTM D5185m		2	2	3
	Tin	ppm	ASTM D5185m		0	0	0
	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	<b>\25</b>	8	7	7
	Potassium	ppm	ASTM D5185m		7	9	12
There is no indication of any contamination in the oil.	Fuel	ррпп	WC Method		, <1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	70.L	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	<b>\3</b>	0.8	0.9	1.2
	Nitration	Abs/cm	*ASTM D7624	>20	9.0	9.6	10.3
	Sulfation	Abs/.1mm	*ASTM D7415		21.7	23.3	26.4
	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		*Visual	>0.2	NEG	NEG	NEG
LUID CONDITION	Sodium	nnm	ASTM D5185m		4	0	0
LOID CONDITION	Boron	ppm	ASTM D5185m	316	4 21	26	13
The BN level is low. The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		0	<1	0
	Molybdenum		ASTM D5185m		27	34	30
	Manganese	ppm	ASTM D5185m	1.2	<1	0	0
		ppm		24			
	Magnesium Calcium	ppm	ASTM D5185m ASTM D5185m		296 2088	300 1677	143 1895
	Phosphorus	ppm	ASTM D5185m		1062	883	904
		ppm	ASTM D5185m				
	Zinc	ppm	ASTM D5185m		1312	1108	1055
	Sulfur	ppm Abo/ 1mm			3919	3030	2938
	Oxidation Base Number (BN)	Abs/.1mm	*ASTM D7414		17.0 <b>3</b> .2	18.5 6.7	19.7
	Base Number (BN)	mg KOH/g	ASTM D2896	TU. I	A 3.2	b. /	4.7







Certificate L2367

Laboratory Sample No.

: IL0032947 Lab Number : 06219354 Unique Number : 11097551 Test Package : FLEET

11.5

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 25 Jun 2024 **Tested** : 25 Jun 2024

: 26 Jun 2024 - Don Baldridge Diagnosed

Feb 15/24

Jun11/24

**IDEALEASE OF NORTHWEST WI** 611 HANSEN ROAD

GREEN BAY, WI US 54304 Contact: GARY KOLTZ

Feb15/24 -

Jun11/24

gkoltz@pcitrucks.com T: (920)499-6200

F: (920)499-5332

\* - 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)

0ct26/22