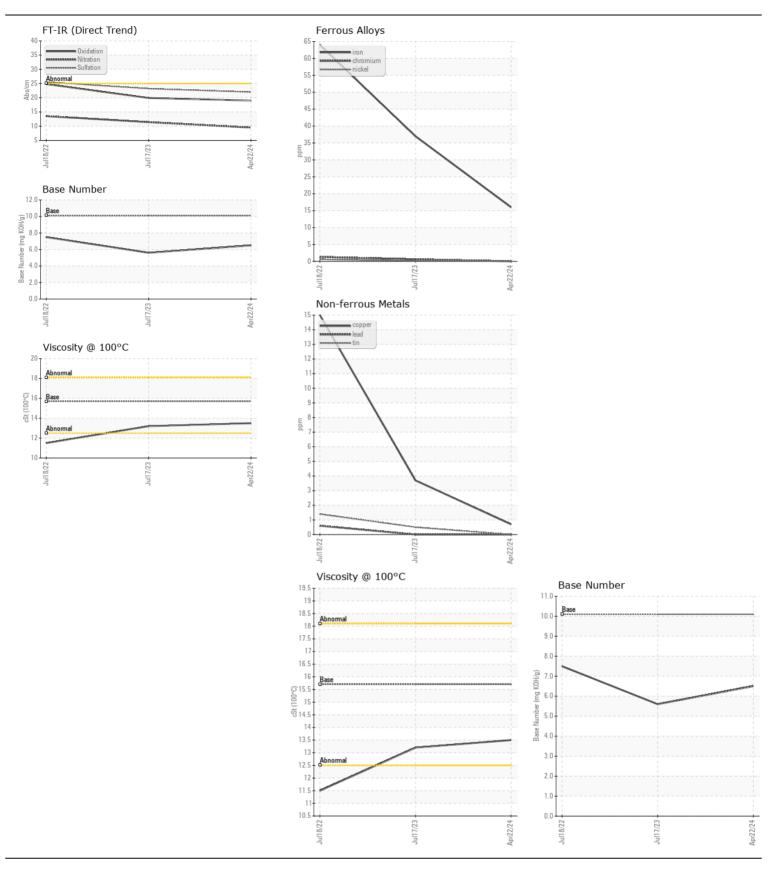
**WEAR** CONTAMINATION **FLUID CONDITION** 

**NORMAL NORMAL NORMAL** 

Machine Id 114544

Component
Diesel Engine
Fluid

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		IL0033011	IL0027453	IL0027609
	Sample Date		Client Info		22 Apr 2024	17 Jul 2023	18 Jul 202
	Machine Age	mls	Client Info		45312	34375	17655
	Oil Age	mls	Client Info		10937	16720	17655
	Filter Age	mls	Client Info		10937	16720	17655
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	MARGINAL
WEAR	Iron	nnm	ASTM D5185m	>00	16	37	64
WEAN	Chromium	ppm	ASTM D5185m		16 0	<1	1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	<1	<1
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		15	27	38
	Lead	ppm	ASTM D5185m		0	0	<1
	Copper	ppm	ASTM D5185m		<1	4	15
	Tin	ppm	ASTM D5185m		0	<1	1
	Vanadium	ppm	ASTM D5185m	7.0	0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m		4	0	18
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		32	64	105
	Fuel		WC Method		<1.0	<1.0	2.6
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol	21	WC Method	0	NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0.5	0.7	0.8
	Nitration	Abs/cm	*ASTM D7624		9.5	11.4 23.2	13.5
	Sulfation Silt	Abs/.1mm	*ASTM D7415 *Visual	NONE	22.0 NONE	NONE	25.5 NONE
	Debris	scalar scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORMI
	Odor	scalar	*Visual	NORML	NORML	NORML	NORMI
	Emulsified Water		*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	<1	5
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		88	32	34
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	3	4
	Molybdenum	ppm	ASTM D5185m	1.2	26	84	50
	Manganese	ppm	ASTM D5185m		0	<1	5
	Magnesium	ppm	ASTM D5185m		156	100	733
	Calcium	ppm	ASTM D5185m		2194	2038	1325
	Phosphorus	ppm	ASTM D5185m		1021	874	672
	Zinc	ppm	ASTM D5185m		1250	1084	873
	Sulfur	ppm Abo/1mm	ASTM D5185m		4093	3542	2898
	Oxidation	Abs/.1mm	*ASTM D7414	>25	19.0	19.9	24.8
	Base Number (BN)	ma KOII/-	ACTM DOOGG	10.1	6.5	5.6	7.5







Certificate L2367

Laboratory Sample No.

: IL0033011 Lab Number : 06160047 Unique Number : 10995470 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 25 Apr 2024 **Tested** : 26 Apr 2024

> Diagnosed : 26 Apr 2024 - Sean Felton

611 HANSEN ROAD GREEN BAY, WI US 54304

**IDEALEASE OF NORTHWEST WI** 

Contact: GARY KOLTZ 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)