WEAR CONTAMINATION **FLUID CONDITION**

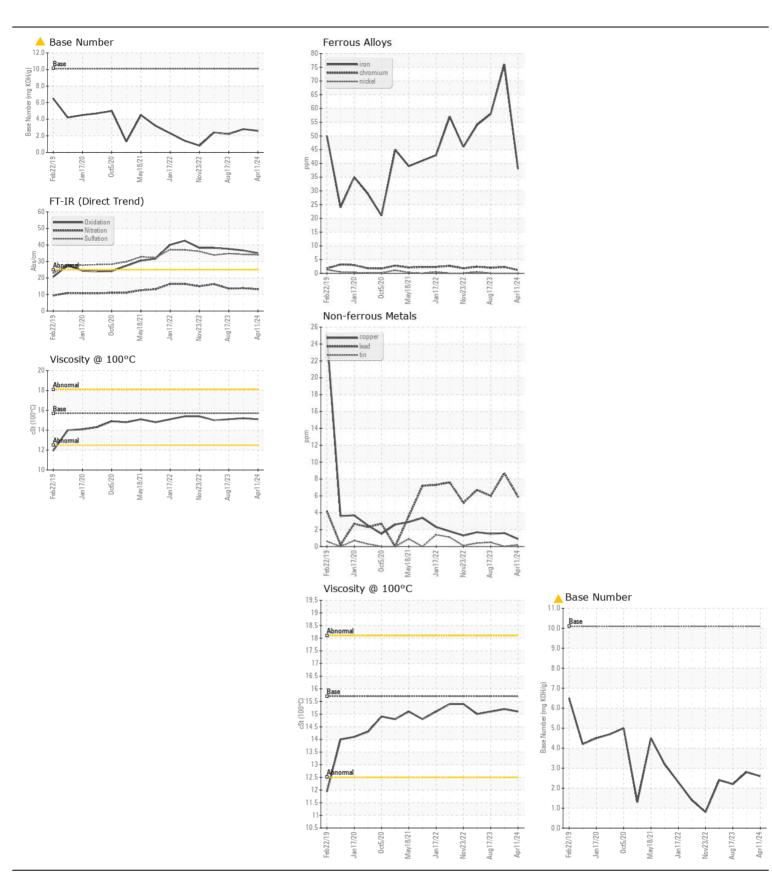
NORMAL NORMAL ABNORMAL

Machine Id

INTERNATIONAL 109111

Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		IL0033006	IL0033076	IL0027470
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Date		Client Info		11 Apr 2024	15 Jan 2024	17 Aug 202
	Machine Age	mls	Client Info		683813	646426	601480
	Oil Age	mls	Client Info		37387	44946	43451
	Filter Age	mls	Client Info		37387	44946	43451
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ABNORMAL	ABNORMAL	ABNORMA
MEAD	Iron	nnm	ASTM D5185m	- 00	20	76	E0
VEAR	Iron	ppm			38	76 2	58
All component wear rates are normal.	Chromium Nickel	ppm	ASTM D5185m		1	0	2
		ppm	ASTM D5185m		0		0
	Titanium Silver	ppm	ASTM D5185m		0	<1 0	<1
		ppm	ASTM D5185m		0		0
	Aluminum	ppm	ASTM D5185m		6 6	10 9	7
	Lead	ppm	ASTM D5185m ASTM D5185m				6
	Copper Tin	ppm	ASTM D5185m		<1	0	2 <1
	Vanadium	ppm	ASTM D5185m	>10	<1 0		
	White Metal	ppm	*Visual	NONE	NONE	<1 NONE	<1 NONE
	Yellow Metal	scalar scalar	*Visual	NONE	NONE	NONE	NONE
<u></u>			Visuai		·····	INOINL	INOINL
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	5	6	7
	Potassium	ppm	ASTM D5185m	>20	13	19	18
There is no indication of any contamination in the oil.	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>6	0.7	0.7	0.5
	Nitration	Abs/cm	*ASTM D7624	>20	13.2	13.8	13.6
	Sulfation	Abs/.1mm	*ASTM D7415	>30	34.0	34.3	34.8
	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		3	5	7
LOID CONDITION	Boron	ppm	ASTM D5185m	316	30	21	21
The BN level is low.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		24	35	36
	Manganese	ppm	ASTM D5185m	1.2	0	<1	<1
	Magnesium	ppm	ASTM D5185m	24	236	399	271
	Calcium	ppm	ASTM D5185m		2229	1971	2064
	Phosphorus	ppm	ASTM D5185m		1154	1071	1001
	Zinc	ppm	ASTM D5185m		1361	1377	1274
	Sulfur	ppm	ASTM D5185m		3358	3203	3740
	Oxidation	Abs/.1mm	*ASTM D7414		35.0	36.7	37.6
	Base Number (BN)				<u>△</u> 2.6	<u>^</u> 2.8	<u>△</u> 2.2
	(211)						







Certificate L2367

Laboratory Sample No.

: IL0033006 Lab Number : 06151807 Unique Number: 10981885 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Apr 2024 **Tested** : 18 Apr 2024

Diagnosed

: 19 Apr 2024 - Don Baldridge

IDEALEASE OF NORTHWEST WI 611 HANSEN ROAD GREEN BAY, WI US 54304

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

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: (920)499-5332