WEAR CONTAMINATION **FLUID CONDITION**

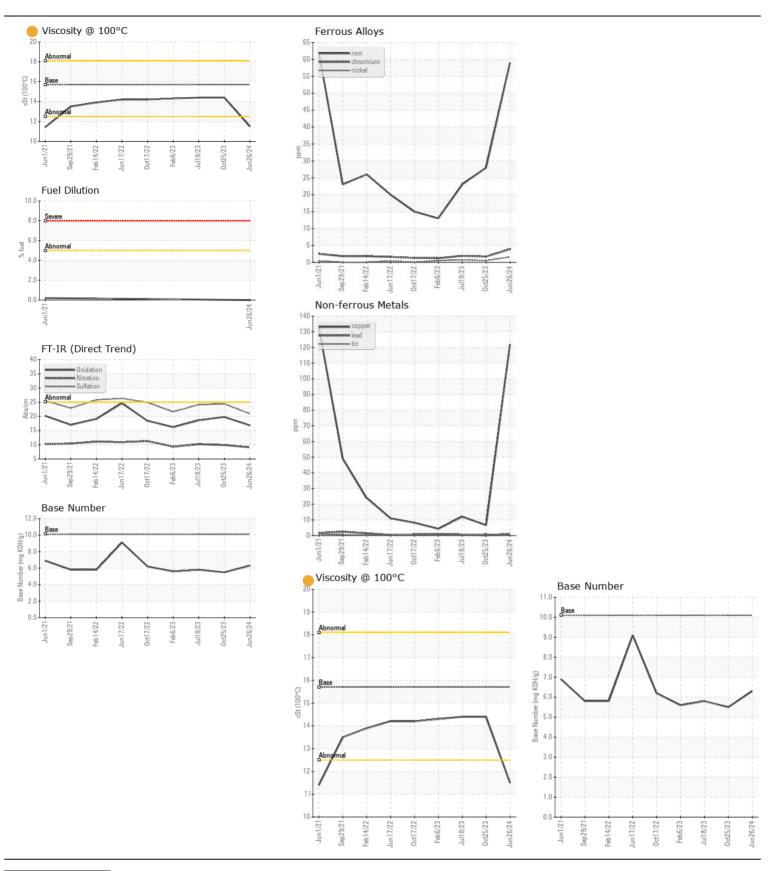
NORMAL NORMAL ATTENTION

Machine Id

NAVISTAR 111310

Component
Diesel Engine

0 1 11 1		Method		Current	History1	History2
Sample Number		Client Info		IL0032933	IL0032756	IL0027448
Sample Date		Client Info		26 Jun 2024	25 Oct 2023	18 Jul 202
Machine Age	mls	Client Info		385925	307934	274283
Oil Age	mls	Client Info		37499	33651	39450
Filter Age	mls	Client Info		37499	33651	39450
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	NORMAL	NORMAL
Iron	mag	ASTM D5185m	>100	59	28	23
						2
						<1
						<1
			>3			0
						4
						<1
						12
						<1
			7.0			<1
			NONE		-	NONE
						NONE
	ppm			13	8	8
						26
	%					<1.0
			>0.2			NEG
,	21		0			NEG
						0.9
						10.2
						24.1
						NONE
						NONE
						NONE
• •						NORM
				_	-	NEG
Linuisined Water		visuai	<i>></i> 0.2		INLO	INLO
Sodium	ppm	ASTM D5185m		14	8	9
Boron	ppm	ASTM D5185m	316	10	25	20
Barium	ppm	ASTM D5185m	0.0	0	20	0
Molybdenum	ppm	ASTM D5185m	1.2	53	25	45
Manganese	ppm	ASTM D5185m		2	<1	<1
Magnesium	ppm	ASTM D5185m	24	775	171	185
Calcium	ppm			1335	1862	2113
Phosphorus	ppm	ASTM D5185m	1064	897	889	896
Zinc	ppm	ASTM D5185m	1160	1161	1080	1143
Sulfur	ppm	ASTM D5185m	4996	2725	3898	3766
Oxidation	Abs/.1mm	*ASTM D7414 ASTM D2896		16.8 6.3	19.8 5.5	18.6 5.8
	Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	Machine Age mls Oil Age mls Filter Age mls Oil Changed Filter Changed Sample Status Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Yellow Metal scalar Silicon ppm Potassium ppm Fuel % Water Glycol Soot % % Nitration Abs/cm Sulfation Abs/.1mm Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water scalar Sodium ppm Boron ppm Boron ppm Boron ppm Manganese ppm Magnesium ppm Calcium ppm Calcium ppm Phosphorus Zinc ppm Zinc ppm	Machine Age Oil Age Filter Age Oil Changed Filter Changed Filter Changed Filter Changed Filter Changed Filter Chromium Ppm ASTM D5185m Chromium Ppm ASTM D5185m Nickel Ppm ASTM D5185m Titanium Ppm ASTM D5185m Aluminum Ppm ASTM D5185m Lead Ppm ASTM D5185m Copper Ppm ASTM D5185m Vanadium Ppm ASTM D5185m White Metal Scalar Visual Silicon Potassium Potassiu	Machine Age mls Client Info Oil Age mls Client Info Filter Age mls Client Info Oil Changed Client Info Filter Changed Client Info Sample Status Iron ppm ASTM D5185m >100 Chromium ppm ASTM D5185m >20 Nickel ppm ASTM D5185m >3 Aluminum ppm ASTM D5185m >3 Irin ppm ASTM D5185m >15 Vanadium ppm ASTM D5185m >15 Vanadium ppm ASTM D5185m >15 Vanadium ppm ASTM D5185m >0 Vallow Metal scalar *Visual NONE Silicon ppm ASTM D5185m >20 Fuel % ASTM D5185m >20 Sulfation Abs/.1mm *ASTM D5185m >20 Sulfation Abs/.1mm *ASTM D5185m >20 Sulfation Abs/.1mm *ASTM D7415 >30 Silt scalar *Visual NONE Sand/Dirt scalar *Visual NONE Appearance scalar *Visual NONE Sand/Dirt scalar *Visual NONE Appearance scalar *Visual NONE Sodium ppm ASTM D5185m 316 Barium ppm ASTM D5185m 316 Barium ppm ASTM D5185m 12 Manganese ppm ASTM D5185m 2292 Phosphorus ppm ASTM D5185m 2292 Phosphorus ppm ASTM D5185m 2292 Phosphorus ppm ASTM D5185m 1064 Zinc ppm ASTM D5185m 1064 Zinc ppm ASTM D5185m 1160	Machine Age mls Client Info 385925 Oil Age mls Client Info 37499 Filter Age mls Client Info 37499 Oil Changed Client Info Changed Filter Changed Client Info Changed Sample Status ATTENTION Iron ppm ASTM D5185m >100 Sample Status ASTM D5185m >20 4 Iron ppm ASTM D5185m >20 4 Nickel ppm ASTM D5185m >20 4 Nickel ppm ASTM D5185m >20 2 Titanium ppm ASTM D5185m >3 0 Aluminum ppm ASTM D5185m >40 1 Copper ppm ASTM D5185m >330 122 Tin ppm ASTM D5185m >330 122 Tin ppm ASTM D5185m >15 <1	Machine Age mls Client Info 385925 307934 Oil Age mls Client Info 37499 33651 Filter Age mls Client Info 37499 33651 Gil Changed Client Info Changed Changed Filter Changed Client Info Changed Changed Sample Status ATTENTION ATTENTION NORMAL Iron ppm ASTM D5185m >100 59 28 Chromium ppm ASTM D5185m >20 4 2 <1







Certificate L2367

Laboratory Sample No.

: IL0032933 Lab Number : 06225870 Unique Number : 11109363

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

Received **Tested** Diagnosed Test Package: FLEET (Additional Tests: FuelDilution, PercentFuel)

: 02 Jul 2024 : 05 Jul 2024

: 05 Jul 2024 - Jonathan Hester

US 54304 Contact: GARY KOLTZ gkoltz@pcitrucks.com

611 HANSEN ROAD

GREEN BAY, WI

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

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