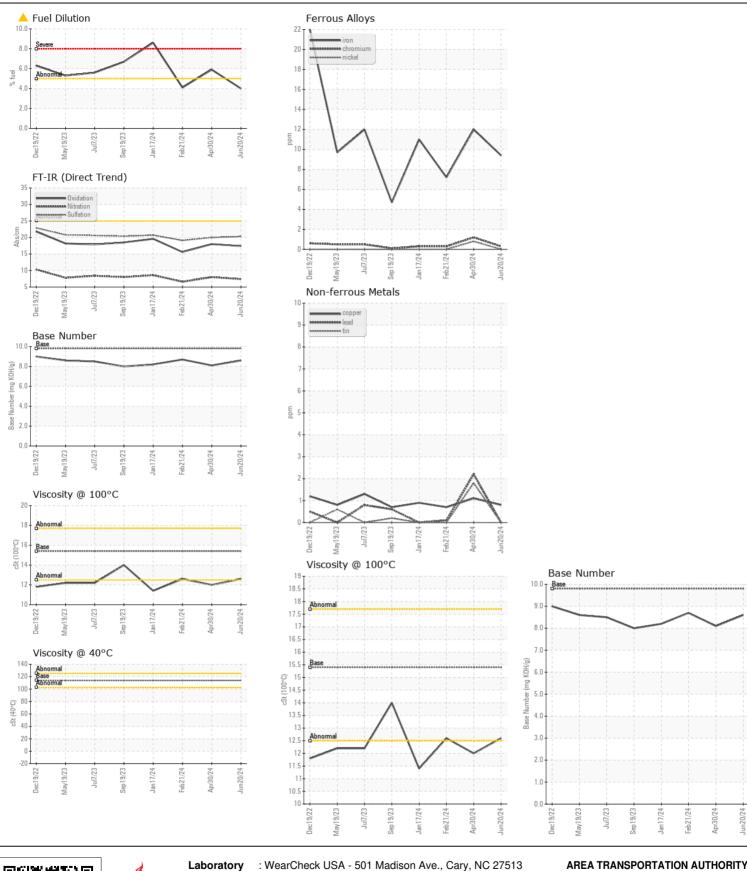
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL MARGINAL NORMAL

Machine Id

721 Component Diesel Engine

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0870213	WC0725861	WC081721
Sample Date		Client Info		20 Jun 2024	30 Apr 2024	21 Feb 202
Machine Age	hrs	Client Info		267103	21155	20920
Oil Age	hrs	Client Info		0	21155	20920
Filter Age	hrs	Client Info		0	21155	20920
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				MARGINAL	ABNORMAL	MARGINA
Iron	ppm	ASTM D5185m	>100	9	12	7
Chromium		ASTM D5185m	>20		1	<1
					<1	0
						0
			>3			0
						1
						<1
					1	<1
Tin					2	0
			7.0	-		0
			NONE	-		NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
0:::		AOTA DEADE	05		4	
						3
						<u>4.1</u>
	/0					NEG
			<i>></i> 0.2			NEG
,	0/_		~3			0.3
						6.6
						19.1
						NONE
						NONE
						NONE
						NORM
						NORM
					-	NEG
Sodium	ppm	ASTM D5185m		2	4	3
Boron	ppm			4	8	8
Barium	ppm			0	0	0
	ppm			54	52	62
Manganese	ppm			<1	1	<1
Magnesium	ppm			933	969	965
Calcium	ppm			987	1065	1080
Phosphorus	ppm			1006	1076	1105
Zinc	ppm			1216	1238	1293
Sulfur	ppm	ASTM D5185m	2060	3344	3707	3269
Oxidation	Abs/.1mm	*ASTM D7414 ASTM D2896		17.4 8.6	18.0 8.1	15.6 8.7
	Sample Date 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 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	Sample Date 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 Soot % Nitration Sulfation Sulfatio	Sample Date Machine Age Oil Age hrs Client Info Client Info Client Info Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Ppm ASTM D5185m Nickel Ppm ASTM D5185m Nickel Ppm ASTM D5185m Aluminum Ppm ASTM D5185m Lead Ppm ASTM D5185m Copper Ppm ASTM D5185m Vanadium Ppm ASTM D5185m Visual Silicon Potassium Ppm ASTM D5185m Fuel % ASTM D7624 Visual Sulfation Abs/.1mm Abs/.1mm ASTM D7624 Sulfation Abs/.1mm ASTM D5185m Appearance Scalar Avisual Appearance Scalar Avisual Appearance Scalar Avisual Appearance ASTM D5185m Boron Barium Ppm ASTM D5185m	Sample Date Machine Age Machine Age Mrs Client Info Client Info Client Info Client Info Filter Age Client Info Client Info Filter Age Client Info Client Info Filter Changed Filter Changed Sample Status Iron Chromium Chlent Info Client Info Client Info Client Info Client Info Client Info Client Info Calcium Chromium Client Info Client Info Calcium Chromium C	Sample Date Client Info 20 Jun 2024 Machine Age hrs Client Info 267103 Oil Age hrs Client Info 0 Filter Age hrs Client Info 0 Oil Changed Client Info Changed Filter Changed Client Info Changed Sample Status MARGINAL Iron ppm ASTM D5185m >100 Sample Status MARGINAL Iron ppm ASTM D5185m >100 Chromium ppm ASTM D5185m >20 <1	Sample Date Machine Age hrs Client Info 267103 21155







Certificate L2367

Laboratory Sample No. Unique Number: 11103799

: WC0870213 Lab Number : 06225602

Received **Tested**

: 01 Jul 2024 : 03 Jul 2024 Diagnosed

: 03 Jul 2024 - Jonathan Hester

44 TRANSPORTATION CENTER JOHNSONBURG, PA US 15845 Contact: Mike Agosti

magosti@rideata.com T: (814)965-1265

Test Package: FLEET (Additional Tests: KV40, PercentFuel) 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: