WEAR CONTAMINATION **FLUID CONDITION**

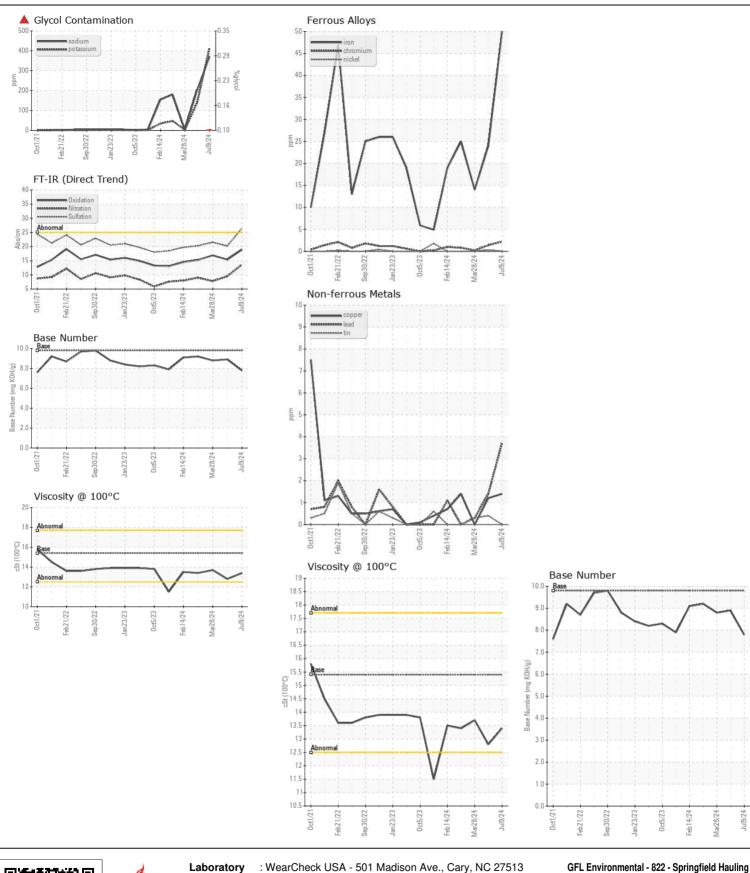
NORMAL SEVERE ATTENTION

Machine Id

923025-205242.1

Component
Diesel Fngine

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0118253	GFL0118186	GFL010919
Sample Date		Client Info		09 Jul 2024	22 Apr 2024	28 Mar 202
•	hrs	Client Info			6742	6575
Oil Age	hrs	Client Info			700	131
J	hrs				700	0
				J	Not Changd	N/A
		Client Info			Ü	Not Chang
Sample Status				SEVERE	ABNORMAL	NORMAL
Iron	ppm	ASTM D5185m	>100	50	24	14
Chromium		ASTM D5185m	>20	2	1	<1
Nickel				0	<1	0
Titanium		ASTM D5185m			<1	0
Silver		ASTM D5185m	>3	0	0	0
Aluminum				6	4	2
Lead				4	1	<1
Copper		ASTM D5185m	>330	1	1	0
Tin				0	<1	<1
Vanadium		ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Ciliana		ACTM DE105	٥٦	44	0	4
						4
	ppm					<1.0
						NEG
	0/		>0.2			NEG
			. 2			0.9
						7.8
						21.5
						NONE
						NONE
						NONE
						NORM
						NORM
			>0.2	NEG	NEG	NEG
				_		2
	ppm					9
						0
•	ppm					51
	ppm					<1
•						891
						1027
						1036
						1182
	ppm	ASTM D5185m	2060	3327	3004	3832
Sulfur				40.0	45.4	400
Oxidation Base Number (BN)	Abs/.1mm	*ASTM D7414	>25	18.9 7.8	15.4 8.9	16.9 8.8
	Sample Number 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	Sample Number Sample Date Machine Age hrs Oil Age hrs Filter Age hrs 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 Fuel Water Glycol % Soot % Nitration Abs/cm Sulfation Abs/.1mm Silt scalar Sand/Dirt scalar Sand/Dirt scalar Sand/Dirt scalar Sodium ppm Boron ppm Boron ppm Boron ppm Molybdenum ppm Manganese ppm Magnesium ppm Calcium ppm Phosphorus	Sample Number Sample Date Machine Age Oil Age hrs Client Info Sample Status Iron ppm ASTM D5185m Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Nickel ppm ASTM D5185m Aluminum ppm ASTM D5185m Copper ppm ASTM D5185m Copper ppm ASTM D5185m Vanadium ppm ASTM D5185m Visual Silicon ppm ASTM D5185m Fuel WC Method Water WC Method Water WC Method Glycol % ASTM D5185m Fuel WC Method Glycol % ASTM D7624 Sulfation Abs/.1mm *ASTM D5185m Appearance Odor scalar *Visual Sand/Dirt Appearance Odor scalar *Visual Sodium ppm ASTM D5185m	Sample Number Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Oil Age hrs Client Info Oil Changed Client Info Client Info Oil Changed Sample Status Iron ppm ASTM D5185m >100 Chromium ppm ASTM D5185m >20 Nickel ppm ASTM D5185m >20 Nickel ppm ASTM D5185m >3 Aluminum ppm ASTM D5185m >20 Lead ppm ASTM D5185m >20 Lead ppm ASTM D5185m >3 Aluminum ppm ASTM D5185m >3 Aluminum ppm ASTM D5185m >15 Vanadium ppm ASTM D5185m >20 Ead *Visual NONE Silicon ppm ASTM D5185m >25 Potassium ppm ASTM D5185m >20 Fuel WC Method >5 Fuel WC Method >5 Sulfation Abs/.mm *ASTM D7415 >30 Silt scalar *Visual NONE Sand/Dirt scalar *Visual NONE Sand/Dirt scalar *Visual NONE Sand/Dirt scalar *Visual NONE Sand *Vi	Sample Number Sample Date Client Info GFL0118253 Sample Date Client Info 09 Jul 2024 Machine Age hrs Client Info 7113 Oil Age hrs Client Info 700 Filter Age hrs Client Info Not Changd Filter Changed Client Info Not Changd Sample Status SEVERE Iron ppm ASTM D5185m >100 50 Chromium ppm ASTM D5185m >20 2 Nickel ppm ASTM D5185m >4 0 Titanium ppm ASTM D5185m >3 0 Aluminum ppm ASTM D5185m >3 0 Aluminum ppm ASTM D5185m >3 0 Copper ppm ASTM D5185m >33 1 Tin ppm ASTM D5185m >40 4 Copper ppm ASTM D5185m >15 0 White Metal scalar *Vis	Sample Number Client Info GFL0118253 GFL0118186 Sample Date Client Info 09 Jul 2024 22 Apr 2024 Machine Age hrs Client Info 7113 6742 Oil Age hrs Client Info 700 700 Filter Age hrs Client Info Not Changd Not Changd Filter Changed Client Info Not Changd Not Changd Sample Status SEVERE ABNORMAL Iron ppm ASTM D5185m >100 50 24 Chromium ppm ASTM D5185m >20 2 1 Nickel ppm ASTM D5185m >3 0 0 Silver ppm ASTM D5185m >3 0 0 Silver ppm ASTM D5185m >3 0 0 Copper ppm ASTM D5185m >40 4 1 Copper ppm ASTM D5185m >40 4 1 Vanadium





Certificate L2367

Laboratory Sample No.

: GFL0118253

Lab Number : 06238878 Unique Number : 11127712

Received **Tested** Diagnosed Test Package: FLEET (Additional Tests: Glycol)

: 17 Jul 2024 : 19 Jul 2024

: 19 Jul 2024 - Wes Davis

2120 West Bennett Street Springfield, MO US 65807

Contact: Dennis Moore dennis.moore@gflenv.com T: (417)403-3641

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)

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