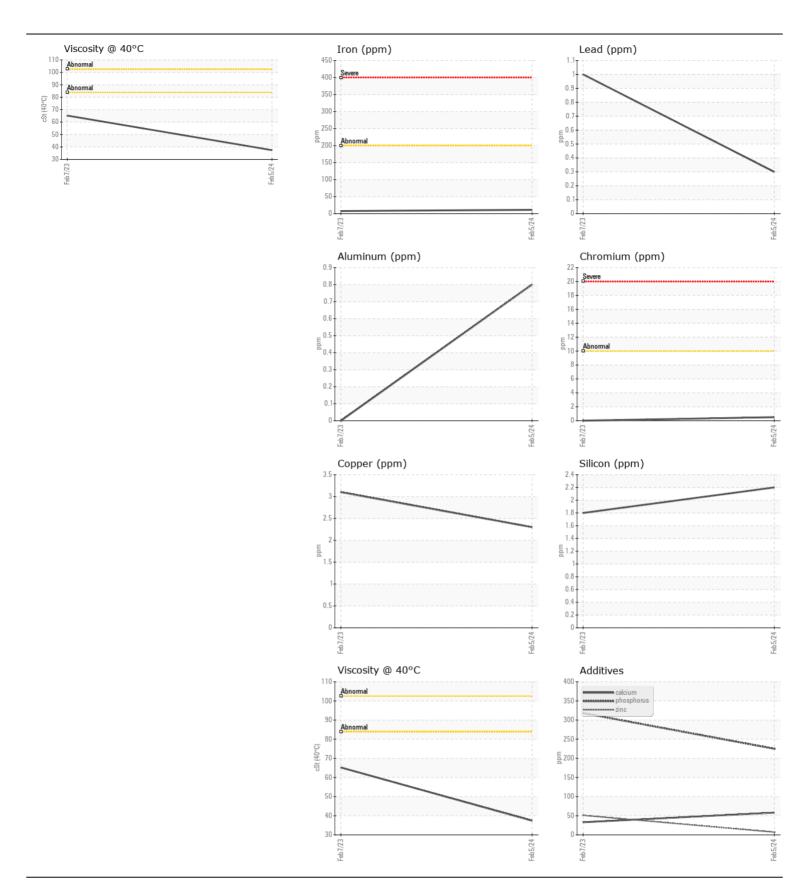
WEAR CONTAMINATION **FLUID CONDITION** **NORMAL** NORMAL **NORMAL**

SHAW BOX 11513623 ONI003 (S/N L274923)

Component Hoisting Gearbox

		Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0033180	DC0024833	
Sample Date		Client Info		05 Feb 2024	07 Feb 2023	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Not Changd	N/A	
Filter Changed		Client Info		Not Changd	N/A	
Sample Status				NORMAL	NORMAL	
Iron	nnm	ΔSTM D5185m	>200	11	7	
			710		-	
					1	
					3	
Tin		ASTM D5185m		<1	<1	
Vanadium				<1	0	
White Metal	scalar	*Visual	NONE	NONE	LIGHT	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
	ppm					
	ppm					
_						
		visuai				
Sodium	ppm	ASTM D5185m		1	1	
Boron	ppm	ASTM D5185m		83	60	
Barium	ppm	ASTM D5185m		1	0	
Molybdenum	ppm	ASTM D5185m		1	<1	
Manganese	ppm	ASTM D5185m		1	<1	
Magnesium	ppm	ASTM D5185m		1	0	
Calcium	ppm	ASTM D5185m		58	33	
Phosphorus	ppm	ASTM D5185m		225	318	
Zinc	ppm	ASTM D5185m		7 2070	51	
Sulfur		ASTM D5185m			5519	
	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 Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	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 Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Silicon ppm Potassium ppm Water Silt scalar Sand/Dirt scalar Appearance scalar Appearance scalar Codor scalar Emulsified Water scalar Sodium ppm Molybdenum ppm Manganese ppm Magnesium ppm Calcium ppm Phosphorus Pom Pom Pom Pom Pom Pom Pom Po	Sample Date Machine Age hrs Client Info Oil Age hrs Client Info Filter Age hrs Client Info Oil Changed Filter Changed Client Info Sample Status Iron Ppm ASTM D5185m Chromium Ppm ASTM D5185m Titanium ppm ASTM D5185m Aluminum ppm ASTM D5185m Copper ppm ASTM D5185m Vanadium ppm ASTM D5185m White Metal Scalar Yellow Metal Silt Scalar Silt Scalar Sand/Dirt Scalar Appearance Scalar Scalar Suisual Sodium ppm ASTM D5185m Boron ppm ASTM D5185m Barium ppm ASTM D5185m Manganese ppm ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Wisual Scalar *Visual Scalar *Visual Scalar *Visual Scalar *Visual Scalar *Visual Scalar *Visual Scalar Appearance Scalar *Visual Scalar Appearance Scalar *Visual Scalar Appearance Scalar *Visual Scalar Appearance Scalar *Visual Appearance Scalar *Visual Appearance Scalar *Visual Appearance Scalar ASTM D5185m A	Sample Date Machine Age Mrs Client Info Oil Age Mrs Client Info Client Info Filter Age Mrs Client Info Sample Status Iron ppm ASTM D5185m S100 Chromium ppm ASTM D5185m Silver ppm ASTM D5185m ASTM D5185m Copper ppm ASTM D5185m Copper ppm ASTM D5185m Copper ppm ASTM D5185m Vanadium ppm ASTM D5185m Vone Vallow Metal Scalar Visual NONE Silicon ppm ASTM D5185m Potassium ppm ASTM D5185m Potassium ppm ASTM D5185m Potassium ppm ASTM D5185m NONE Sand/Dirt scalar Visual NONE Sand/Dirt scalar Appearance scalar Visual NONE Sand/Dirt scalar Appearance scalar Avisual NONE Sand/Dirt Appearance scalar Avisual NONE Sand/Dirt Appearance scalar Avisual NONE Appearance scalar Avisual NONE Appearance scalar Avisual NONE Appearance scalar ASTM D5185m Boron Barium ppm ASTM D5185m ASTM D5185m Manganese ppm ASTM D5185m ASTM	Sample Date Client Info 05 Feb 2024 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Filter Age hrs Client Info Not Changd Filter Changed Client Info Not Changd Filter Changed Client Info Not Changd Sample Status NORMAL Iron ppm ASTM D5185m >200 Chromium ppm ASTM D5185m >10 <1	Sample Date Client Info 05 Feb 2024 07 Feb 2023 Machine Age hrs Client Info 0 0 Oil Age hrs Client Info 0 0 Filter Age hrs Client Info Not Changd N/A Oil Changed Client Info Not Changd N/A Filter Changed Client Info Not Changd N/A Sample Status Client Info Not Changd N/A Iron ppm ASTM D5185m >200 11 7 Chromium ppm ASTM D5185m >10 <1 0 Nickel ppm ASTM D5185m >10 <1 0 Silver ppm ASTM D5185m <1 0 Silver ppm ASTM D5185m <1 1 Copper ppm ASTM D5185m <1 1 Uead ppm ASTM D5185m <1 <1 Vanadium ppm ASTM D5185m <1 <1





Certificate L2367

Laboratory Sample No.

: DC0033180 Lab Number : 06103927 Unique Number: 10902157 Test Package : MOB 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 28 Feb 2024 **Tested** : 29 Feb 2024 Diagnosed

: 01 Mar 2024 - Don Baldridge

CRANEWORKS INC - MID-ATLANTIC 11089 LEADBETTER ROAD

ASHLAND, VA US 23005

Contact: JASON WILDE jcwilde@vacraneworks.com

T: F:

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)