

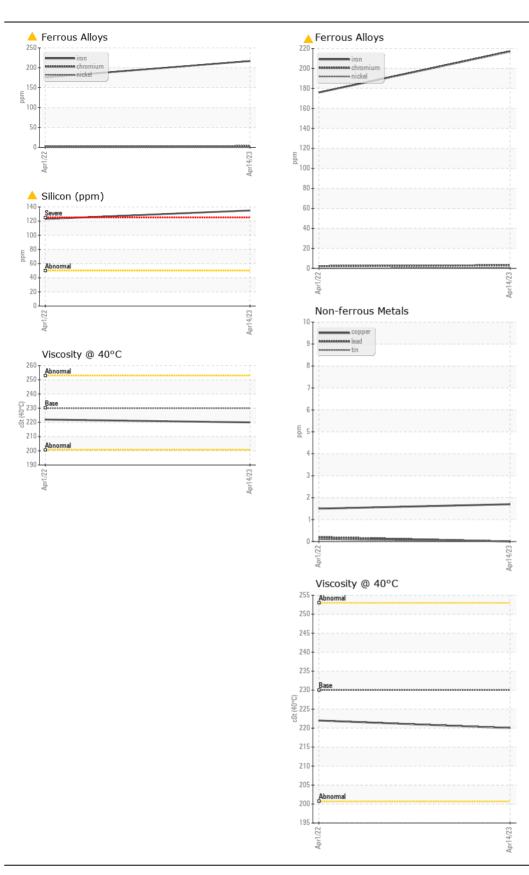
WEAR CONTAMINATION **FLUID CONDITION** **ABNORMAL ABNORMAL** NORMAL

Machine Id

015-0062 - TROLLEY

Component Gearbox

DECOMMENDATION							
RECOMMENDATION We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WC0750693		
	Sample Date		Client Info		14 Apr 2023		
	Machine Age	hrs	Client Info		0	4638	
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Not Changd	Not Changd	
	Filter Changed		Client Info		Not Changd	Not Changd	
	Sample Status				ABNORMAL	ABNORMAL	
WEAR	Iron	ppm	ASTM D5185m	>200	<u> </u>	176	
Gear wear is indicated.	Chromium	ppm	ASTM D5185m	>10	3	2	
	Nickel	ppm	ASTM D5185m	>10	<1	0	
	Titanium	ppm	ASTM D5185m		<1	0	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m	>25	2	1	
	Lead	ppm	ASTM D5185m	>50	0	<1	
	Copper	ppm	ASTM D5185m	>200	2	2	
	Tin	ppm	ASTM D5185m	>10	0	<1	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	MODER	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>50	<u> </u>	<u></u> 123	
	Potassium	ppm	ASTM D5185m		1	0	
Elemental level of silicon (Si) above normal indicating ingress of seal material.	Water	la la	WC Method	>0.2	NEG	NEG	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	LIGHT	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
FLUID CONDITION	Sodium	nnm	ACTM DE10Em		4	Л	
<u></u>		ppm	ASTM D5185m		4	4	
The condition of the oil is acceptable for the time in service.	Boron Barium	ppm	ASTM D5185m ASTM D5185m		5 0	8	
	Molybdenum	ppm	ASTM D5185m		3	2	
	worybuenum	ppm	ASTM D5185m		4	4	
	Manganese	PPIII	חונטונט ואוו טה		7		
	Manganese		ASTM D5185m		2	0	
	Magnesium	ppm	ASTM D5185m		2 26	0 26	
	Magnesium Calcium	ppm ppm	ASTM D5185m		26	26	
	Magnesium Calcium Phosphorus	ppm ppm	ASTM D5185m ASTM D5185m		26 238	26 247	
	Magnesium Calcium	ppm ppm	ASTM D5185m		26	26	







Certificate L2367

Laboratory Sample No.

Lab Number : 05829716 Unique Number : 10443209

: WC0750693 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 25 Apr 2023 **Tested** : 26 Apr 2023

Diagnosed : 27 Apr 2023 - Sean Felton SHIMMICK CONSTRUCTION

5535 TRAILHEAD DRIVE CHATTANOOGA, TN US 37415

Contact: DANIEL LISELLA daniel.lisella@shimmick.com

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)

T:

F: