WEAR CONTAMINATION **FLUID CONDITION**

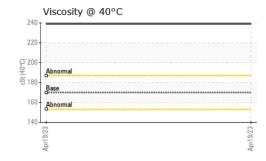
ABNORMAL NORMAL **NORMAL**

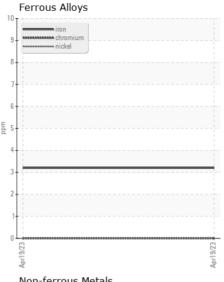
Machine Id

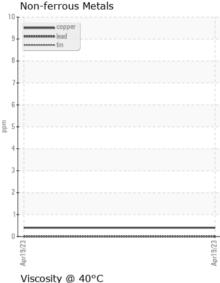
015-R0015

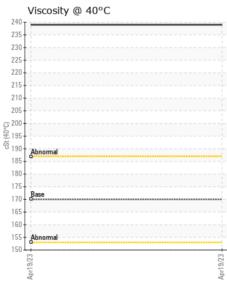
Component
Rear Hoist

RECOMMENDATION We suspect abnormal metal contamination may be due to sampling method. No corrective action is recommended at this time. Resample at the next service interval to monitor.	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info	2	WC0750688		
	Sample Date		Client Info		19 Apr 2023		
	Machine Age	hrs	Client Info		1176		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Not Changd		
	Sample Status				ABNORMAL		
VEAR	Iron	nnm	ASTM D5185m	> 300	3		
Moderate concentration of visible metal present. All component wear rates are normal.	Iron Chromium	ppm	ASTM D5185m		0		
	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m	>4	0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>10	0		
	Lead	ppm	ASTM D5185m		0		
	Copper	ppm	ASTM D5185m		<1		
	Tin	ppm	ASTM D5185m		0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	▲ MODER		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m		<1		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		6		
	Water		WC Method	>0.1	NEG		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance Odor	scalar	*Visual	NORML NORML	NORML NORML		
		scalar	*Visual	>0.1	NEG		
	Emulsified Water		v isuai				
LUID CONDITION	Sodium	ppm	ASTM D5185m		2		
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m	0	0		
	Barium	ppm	ASTM D5185m	0	0		
	Molybdenum	ppm	ASTM D5185m	0	0		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		1		
	Calcium	ppm	ASTM D5185m		1		
	Phosphorus	ppm	ASTM D5185m		40		
	Zinc	ppm	ASTM D5185m		0		
	Sulfur	ppm	ASTM D5185m	23468	2652		











Certificate L2367

Laboratory Sample No.

: WC0750688 Lab Number : 05829711 Unique Number : 10443204 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 25 Apr 2023 **Tested** :01 May 2023

Diagnosed

: 01 May 2023 - Jonathan Hester

US 37415 Contact: DANIEL LISELLA

daniel.lisella@shimmick.com

SHIMMICK CONSTRUCTION

5535 TRAILHEAD DRIVE

CHATTANOOGA, TN

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)