WEAR CONTAMINATION FLUID CONDITION

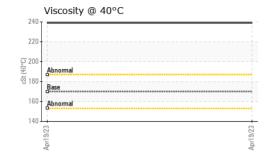
ABNORMAL NORMAL NORMAL

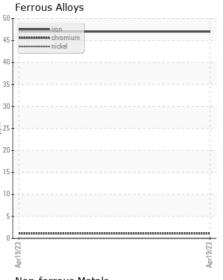
Machine Id

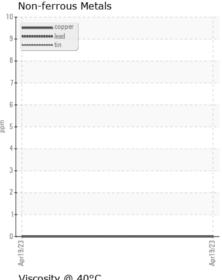
015-R0015

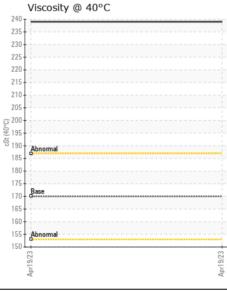
Component Front Hoist

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		WC0750689		
	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	47		
Moderate concentration of visible metal present. All component wear rates are normal.	Chromium	ppm	ASTM D5185m		1		
	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>10	<1		
	Lead	ppm	ASTM D5185m		0		
	Copper	ppm	ASTM D5185m	>200	0		
	Tin	ppm	ASTM D5185m	>15	0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	▲ MODER		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	0:11:		AOTA DEADE	75			
	Silicon	ppm	ASTM D5185m		5		
There is no indication of any contamination in the oil.	Potassium Water	ppm	ASTM D5185m WC Method	>0.1	6 NEG		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water		*Visual	>0.1	NEG		
THE CONDITION							
LUID CONDITION	Sodium	ppm	ASTM D5185m		5		
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m		0		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		0		
	Maganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		2		
	Calcium	ppm	ASTM D5185m ASTM D5185m		3 41		
	Phosphorus Zinc	ppm	ASTM D5185m		5		
	Sulfur	ppm	ASTM D5185m		2605		
	Juliui	phili	HOTIVI DOTOSIII	20400	2000		











Certificate L2367

Laboratory Sample No.

Lab Number : 05829710 Unique Number : 10443203 Test Package : CONST

: WC0750689

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

: 25 Apr 2023 :01 May 2023 : 01 May 2023 - Jonathan Hester SHIMMICK CONSTRUCTION 5535 TRAILHEAD DRIVE

CHATTANOOGA, TN US 37415

Contact: DANIEL LISELLA daniel.lisella@shimmick.com T:

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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