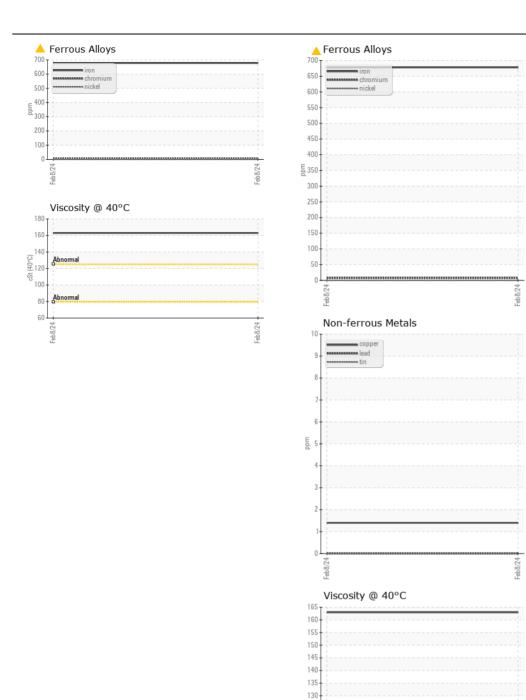
WEAR CONTAMINATION FLUID CONDITION **ABNORMAL NORMAL NORMAL**

TAKEUCHI TL8 408004869

Test	Right Final Drive							
Pack December Pack December Pack December	Inot provided (GAL)							
No corrective action is recommended at this time. Resample at the next service interval to monitor. Sample Date Name Client Info Sample Date Name Sample Date Name Nam		Test	LIOM	Method	I imit/Ahn	Current	History1	History2
Sample Date Client Info Signature Sample Date Machine Age Inst Client Info Signature	No corrective action is recommended at this time. Resample at the		OOM		Littie/ton		,	
Machine Age hrs Client Info 0 0 0 0 0 0 0 0 0		•						
Col Age hrs Client Info Col Col			hrs					
Filter Age		-						
Filter Changed Client Info Sample Status Sample Status		•		Client Info		0		
Name		Oil Changed		Client Info		N/A		
Iron		Filter Changed		Client Info		N/A		
Chromium ppm ASTM D5185m >10 7		Sample Status				ABNORMAL		
Chromium ppm ASTM D5185m >10 7	WFAR	Iron	nnm	ASTM D5185m	>500	 678		
Nickel ppm ASTM D5185n < 1 0 0 Titanium ppm ASTM D5185n < 1 Silver ppm ASTM D5185n 0 Aluminum ppm ASTM D5185n 2-5 0 Aluminum ppm ASTM D5185n 2-5 0 Aluminum ppm ASTM D5185n 2-5 0 Copper ppm ASTM D5185n 3-50 1 Tin ppm ASTM D5185n 3-50 1 Tin ppm ASTM D5185n 3-50 1 Vanadium ppm ASTM D5185n 3-50 1 Vanadium ppm ASTM D5185n 3-50 1 Vanadium ppm ASTM D5185n 3-50 1 Value NONE NONE Silt Scalar Visual NONE NONE Silt Scalar Visual NONE NONE Sand/Dirt Scalar Visual NONE NONE Appearance Scalar Visual NONE NONE	Gear wear is indicated. All other metal levels are typical for a new							
Titanium ppm ASTM 05185m								
Silver					710			
Aluminum ppm ASTM DS185m >25 0								
Lead		Aluminum			>25			
Copper								
Tin		Copper		ASTM D5185m	>50	1		
White Metal Scalar Visual NONE NONE Visual NONE NONE Visual NORML Visual Visual NORML Visual Visua				ASTM D5185m	>10	0		
Yellow Metal Scalar Visual NONE NO		Vanadium	ppm	ASTM D5185m		0		
Silicon ppm ASTM D5185m >75 28		White Metal	scalar	*Visual	NONE	NONE		
Potassium ppm ASTM D5185m >20 2 Water WC Method >0.2 NEG Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NORM NORM NORM Appearance scalar *Visual NORM NORM NORM Odor scalar *Visual NORM NORM Emulsified Water scalar *Visual NORM NORM Emulsified Water scalar *Visual NORM NORM The condition of the oil is acceptable for the time in service. Boron ppm ASTM D5185m 5 Molybdenum ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 37 Sulfur ppm ASTM D5185m 37 Sulfur ppm ASTM D5185m 19835		Yellow Metal	scalar	*Visual	NONE	NONE		
Potassium ppm ASTM D5185m >20 2 Water WC Method >0.2 NEG Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NORM NORM NORM Appearance scalar *Visual NORM NORM NORM Odor scalar *Visual NORM NORM Emulsified Water scalar *Visual NORM NORM Emulsified Water scalar *Visual NORM NORM The condition of the oil is acceptable for the time in service. Boron ppm ASTM D5185m 5 Molybdenum ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 37 Sulfur ppm ASTM D5185m 37 Sulfur ppm ASTM D5185m 19835	CONTAMINATION	Silicon	nom	ASTM D5185m	>75	28		
Water WC Method >0.2 NEG Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML NORML Appearance scalar *Visual NORML NORML NORML Codor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.2 NEG The condition of the oil is acceptable for the time in service. Boron ppm ASTM D5185m 5 Barium ppm ASTM D5185m 18 Manganese ppm ASTM D5185m 9 Manganese ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 15 Phosphorus ppm ASTM D5185m 309 Zinc ppm ASTM D5185m 37 Sulfur ppm ASTM D5185m 19835								
Silt scalar "Visual NONE NONE NONE NONE NONE NONE NONE NONE Sand/Dirt scalar "Visual NONE NORML NORML			1-1-					
Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML NORML Appearance scalar *Visual NORML NORML NORML Cdor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual NORML NORML Emulsified Water scalar *Visual NORML NORML Sodium ppm ASTM D5185m 4 Barium ppm ASTM D5185m 5 Barium ppm ASTM D5185m 18 Manganese ppm ASTM D5185m 9 Manganese ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 15 Phosphorus ppm ASTM D5185m 309 Zinc ppm ASTM D5185m 37 Sulfur ppm ASTM D5185m 19835			scalar					
Appearance Scalar *Visual NORML NORM		Debris	scalar		NONE	NONE		
Odor		Sand/Dirt	scalar	*Visual	NONE	NONE		
Emulsified Water scalar *Visual >0.2 NEG		Appearance	scalar	*Visual	NORML	NORML		
Sodium ppm ASTM D5185m 4		Odor	scalar	*Visual	NORML	NORML		
Boron ppm ASTM D5185m 5 Barium ppm ASTM D5185m 18 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 9 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 15 Phosphorus ppm ASTM D5185m 309 Zinc ppm ASTM D5185m 37 Sulfur ppm ASTM D5185m 19835		Emulsified Water	scalar	*Visual	>0.2	NEG		
Boron ppm ASTM D5185m 5 Barium ppm ASTM D5185m 18 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 9 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 15 Phosphorus ppm ASTM D5185m 309 Zinc ppm ASTM D5185m 37 Sulfur ppm ASTM D5185m 19835	FLUID CONDITION	Sodium	nom	ASTM D5185m		4		
Barium ppm ASTM D5185m 18 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 9 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 15 Phosphorus ppm ASTM D5185m 309 Zinc ppm ASTM D5185m 37 Sulfur ppm ASTM D5185m 19835								
Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 9 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 15 Phosphorus ppm ASTM D5185m 309 Zinc ppm ASTM D5185m 37 Sulfur ppm ASTM D5185m 19835								
Manganese ppm ASTM D5185m 9 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 15 Phosphorus ppm ASTM D5185m 309 Zinc ppm ASTM D5185m 37 Sulfur ppm ASTM D5185m 19835								
Calcium ppm ASTM D5185m 15 Phosphorus ppm ASTM D5185m 309 Zinc ppm ASTM D5185m 37 Sulfur ppm ASTM D5185m 19835		-				9		
Phosphorus ppm ASTM D5185m 309 Zinc ppm ASTM D5185m 37 Sulfur ppm ASTM D5185m 19835		-		ASTM D5185m		0		
Phosphorus ppm ASTM D5185m 309 Zinc ppm ASTM D5185m 37 Sulfur ppm ASTM D5185m 19835		Calcium	ppm	ASTM D5185m		15		
Sulfur ppm ASTM D5185m 19835		Phosphorus		ASTM D5185m		309		
		Zinc	ppm	ASTM D5185m		37		
Visc @ 40°C cSt ASTM D445		Sulfur	ppm	ASTM D5185m		19835		
		Visc @ 40°C	cSt	ASTM D445		163		





Laboratory Sample No.

: ML0000673 Lab Number : 06085527 Unique Number : 10872972

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 09 Feb 2024 **Tested** : 12 Feb 2024

: 13 Feb 2024 - Don Baldridge Diagnosed

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND

1345 MOUNTAIN ROAD GLEN ALLEN, VA US 23060

Contact: KYLE RATLIFFE

Test Package : CONST Certificate L2367 KRATLIFFE@MCCLUNG-LOGAN.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)

F: (804)266-1611

T: