WEAR CONTAMINATION **FLUID CONDITION**

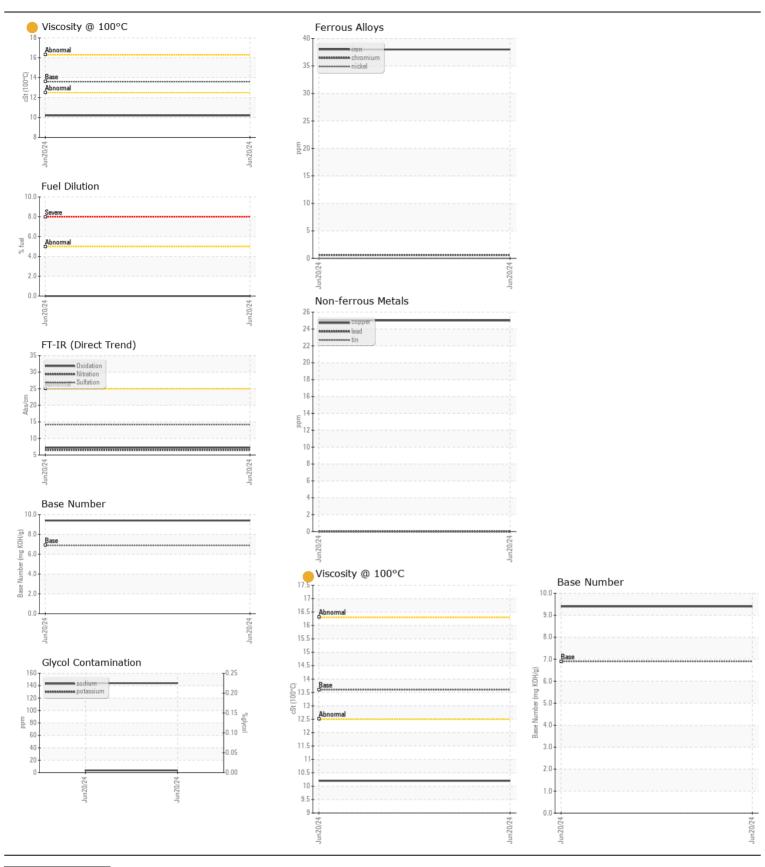
NORMAL ABNORMAL ATTENTION

Machine Id

TAKEUCHI TL12V2 412004695

Component Diesel Engine

Test Sample Number	UOM	Method	Limit/Abn	Current	History1	History2
		Client Info		ML0946555		
Sample Date		Client Info		20 Jun 2024		
Machine Age	hrs	Client Info		98		
Oil Age	hrs	Client Info		98		
Filter Age	hrs	Client Info		98		
Oil Changed		Client Info		N/A		
Filter Changed		Client Info		N/A		
Sample Status				ABNORMAL		
la a a		AOTM DEADE	400			
	• •					
	• •		>4			
	ppm					
	ppm					
	ppm		-			
	ppm		>15	-		
	ppm			_		
	scalar	*Visual	NONE	_		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	nnm	ACTM DE195m	> 25	21		
	70					
	0/		>0.2			
-			0			
				_		
			NORML			
Emulsified Water	scalar	*Visual	>0.2	NEG		
Codium	nnm	ACTM DE10Em		4		
			20			
•						
-						
•						
	ppm					
	ppm					
Oxidation	Abs/.1mm			7.2		
, ,	0 0			9.4		
	Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Oxidation	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 Fuel % Water Glycol % Soot % Nitration Abs/cm Sulfation Abs/.mm Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water scalar Sodium ppm Boron ppm Barium ppm Manganese ppm Magnesium ppm Magnesium ppm Calcium ppm Calcium ppm Sulfur ppm Sulfur ppm Calcium ppm Calcium ppm Sulfur ppm Sase Number (BN) mg KOH/g	Filter Changed Sample Status Iron ppm ASTM D5185m Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Titanium ppm ASTM D5185m Aluminum ppm ASTM D5185m Lead ppm ASTM D5185m Lead ppm ASTM D5185m Copper ppm ASTM D5185m Tin ppm ASTM D5185m Vanadium ppm ASTM D5185m White Metal scalar *Visual Yellow Metal scalar *Visual Silicon ppm ASTM D5185m Potassium ppm ASTM D5185m Fuel % ASTM D5185m Fuel % ASTM D5185m Fuel % ASTM D5185m Soot % % *ASTM D7444 Nitration Abs/.1mm *ASTM D7415 Silt scalar *Visual Debris scalar *Visual Sand/Dirt scalar *Visual Appearance scalar *Visual Sodium ppm ASTM D5185m Boron ppm ASTM D5185m Barium ppm ASTM D5185m Barium ppm ASTM D5185m Manganese ppm ASTM D5185m Magnesium ppm ASTM D5185m Magnesium ppm ASTM D5185m Magnesium ppm ASTM D5185m Magnesium ppm ASTM D5185m Calcium Abs/.1mm *ASTM D7414	Filter Changed Sample Status	Filter Changed Sample Status	Filter Changed Sample Status







Certificate L2367

Report Id: MCCFRE [WUSCAR] 06226979 (Generated: 07/09/2024 21:59:03) Rev: 1

Laboratory Sample No.

: ML0946555 Lab Number : 06226979

Unique Number : 11110472

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

Received : 03 Jul 2024 : 08 Jul 2024 Diagnosed

: 08 Jul 2024 - Jonathan Hester Test Package : CONST (Additional Tests: FuelDilution, Glycol, PercentFuel, TBN)

MCCLUNG-LOGAN EQUIPMENT CO - FREDERICKSBURG 358 KINGS HWY FREDERICKSBURG, VA US 22405

Contact: JW MEADOWS jmeadows@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)

T: F: