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

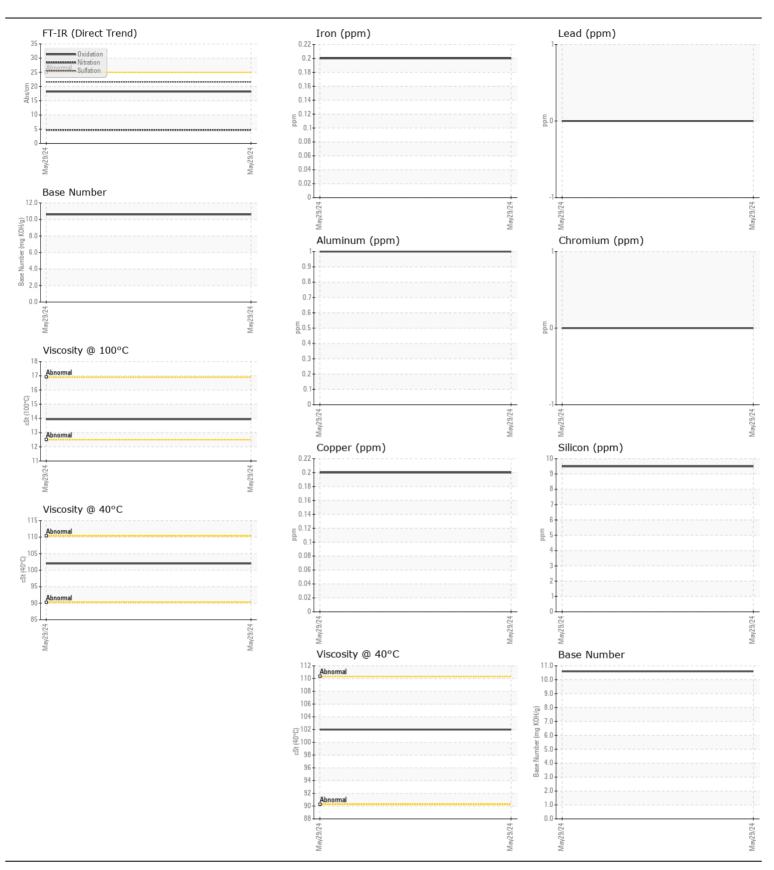
Machine Id

CAT 15W40 - JR0167085 Component New (Unused) Oil

Fluid

{not provided} (-

Test	UOM	Method	Limit/Abn	Current	History1	History
Sample Number		Client Info		JR0167085		
Sample Date		Client Info		29 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
_	hrs	Client Info		0		
		Client Info		N/A		
-		Client Info				
Sample Status				NORMAL		
lvon		ACTM DE10Em		4		
	ppm					
	ppm			0		
Aluminum	ppm	ASTM D5185m		1		
Lead	ppm	ASTM D5185m		0		
Copper	ppm	ASTM D5185m		<1		
Tin	ppm	ASTM D5185m		<1		
Vanadium	ppm	ASTM D5185m		0		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	nnm	ASTM D5185m		10		
			>20			
	ppiii		720			
	0/					
			NONE			
			NORML	NORML		
Emulsified Water	scalar	*Visual		NEG		
Sodium	ppm	ASTM D5185m		2		
Boron	ppm	ASTM D5185m		85		
Barium	ppm	ASTM D5185m		0		
, ,						
				1020		
Visc @ 40°C Visc @ 100°C	cSt cSt	ASTM D445 ASTM D445		102.0 13.94		
	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Water Soot % Nitration Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Oxidation	Sample Number Sample Date Machine Age hrs Oil Age hrs Filter Age hrs Oil Changed 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 Yellow Metal scalar Silicon ppm Potassium ppm Water Soot % % Nitration Abs/cm Sulfation Abs/.1mm Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water scalar Sodium ppm Manganese ppm Magnesium ppm Manganese ppm Magnesium ppm Calcium ppm Phosphorus Zinc ppm Sulfur ppm Sulfur ppm Sulfur ppm Cxidation Abs/.1mm	Sample Number Sample Date Machine Age Oil Age hrs Client Info Clie	Sample Number Sample Date Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Client Info Oil Changed Filter Age Oil Changed Sample Status Iron ppm ASTM D5185m Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Titanium ppm ASTM D5185m Aluminum ppm ASTM D5185m Copper ppm ASTM D5185m Vanadium ppm ASTM D5185m Vone Visual NONE Silicon Soot % % ASTM D5185m Vanadium ppm ASTM D5185m Vanadium ppm ASTM D5185m NONE Soot % % ASTM D5185m Vanadium ppm ASTM D5185m ASTM D7415 Silt scalar Visual NONE Sand/Dirt scalar Visual NONE Sand/Dirt scalar Visual NONE Sand/Dirt scalar Visual NONE Sand/Dirt scalar Visual NONE Appearance scalar Visual NORML	Sample Number Client Info JR0167085 Sample Date Client Info 29 May 2024 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Filter Age hrs Client Info N/A Oil Changed Client Info N/A Filter Changed Client Info N/A Sample Status NORMAL Iron ppm ASTM D5185m <1	Sample Number Client Info 29 May 2024





Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06197188

: JR0167085

Received **Tested** Diagnosed

: 31 May 2024 : 04 Jun 2024

: 04 Jun 2024 - Jonathan Hester

JRE - FISHERSVILLE 98 EXPO ROAD FISHERSVILLE, VA US 22939

Unique Number : 11059311 Test Package : MOBCE (Additional Tests: FT-IR, ICP-NewOil, KV100, PQ, TBN, VI) To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: MIKE JENKINS MIKE.JENKINS@JAMESRIVEREQUIPMENT.COM T: (540)292-3494

* - 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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