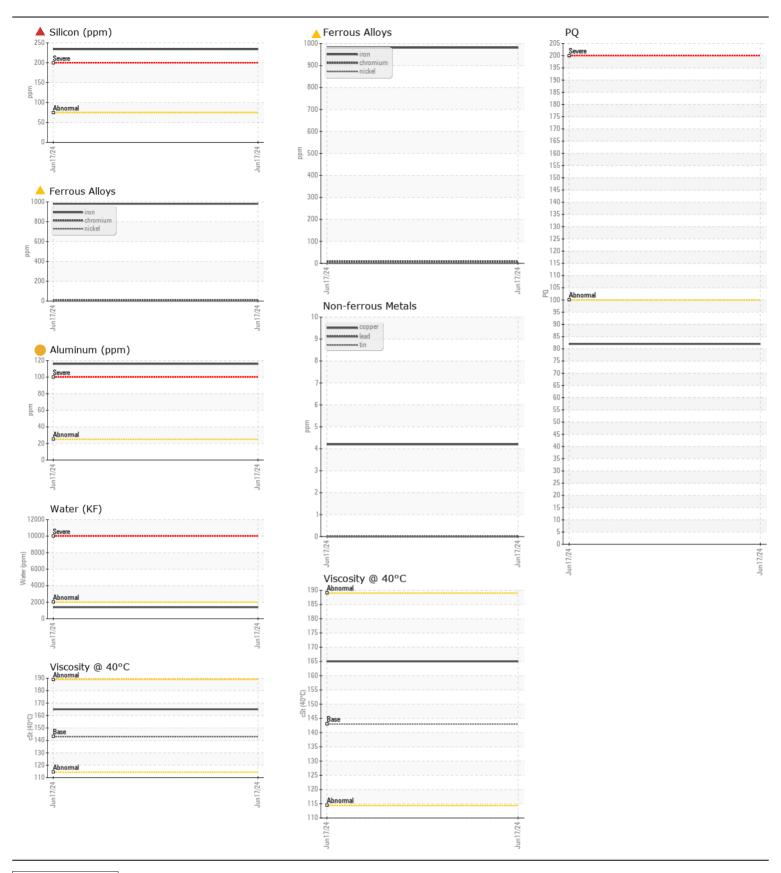
WEAR CONTAMINATION **FLUID CONDITION** **ABNORMAL SEVERE NORMAL**

SANY SY365CLC SY0365MCA00258

Right Final Drive

GEAR OIL SAE 80W90 (--- GAL)

GEAR OIL SAE 80W90 (GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		JR0220224		
	Sample Date		Client Info		17 Jun 2024		
	Machine Age	hrs	Client Info		4235		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		N/A		
	Sample Status				SEVERE		
WEAD							
WEAR	PQ		ASTM D8184		82		
	Iron	ppm	ASTM D5185m		<u> </u>		
	Chromium	ppm	ASTM D5185m		8		
	Nickel	ppm	ASTM D5185m	>10	0		
	Titanium	ppm	ASTM D5185m		6		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		<u>116</u>		
	Lead	ppm	ASTM D5185m		0		
	Copper	ppm	ASTM D5185m		4		
	Tin	ppm	ASTM D5185m	>10	0		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	MODER		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION							
CONTAMINATION	Silicon	nom	ASTM D5185m	>75	234		
CONTAMINATION	Silicon Potassium	ppm	ASTM D5185m ASTM D5185m		▲ 234 3		
CONTAMINATION	Potassium	ppm	ASTM D5185m	>20	3		
CONTAMINATION	Potassium Water	ppm %	ASTM D5185m ASTM D6304	>20 >0.2	3 0.139		
CONTAMINATION	Potassium	ppm %	ASTM D5185m ASTM D6304 ASTM D6304	>20 >0.2 >2000	3 0.139 1390		
CONTAMINATION	Potassium Water ppm Water	ppm % ppm scalar	ASTM D5185m ASTM D6304 ASTM D6304 *Visual	>20 >0.2 >2000 NONE	3 0.139 1390 NONE		
CONTAMINATION	Potassium Water ppm Water Silt	ppm %	ASTM D5185m ASTM D6304 ASTM D6304 *Visual	>20 >0.2 >2000 NONE NONE	3 0.139 1390		
CONTAMINATION	Potassium Water ppm Water Silt Debris	ppm % ppm scalar scalar	ASTM D5185m ASTM D6304 ASTM D6304 *Visual	>20 >0.2 >2000 NONE	3 0.139 1390 NONE NONE		
CONTAMINATION	Potassium Water ppm Water Silt Debris Sand/Dirt	ppm % ppm scalar scalar scalar	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual	>20 >0.2 >2000 NONE NONE NONE	3 0.139 1390 NONE NONE NONE	 	
CONTAMINATION	Potassium Water ppm Water Silt Debris Sand/Dirt Appearance	ppm % ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual	>20 >0.2 >2000 NONE NONE NONE	3 0.139 1390 NONE NONE NONE NORML		
	Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm % ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual	>20 >0.2 >2000 NONE NONE NORML NORML >0.2	3 0.139 1390 NONE NONE NORML NORML 0.2%		
FLUID CONDITION	Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm % ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.2 >2000 NONE NONE NORML NORML >0.2 >170	3 0.139 1390 NONE NONE NORML NORML 0.2%		
	Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm % ppm scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>20 >0.2 >2000 NONE NONE NORML NORML >0.2 >170 400	3 0.139 1390 NONE NONE NORML NORML 0.2%		
	Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm % ppm scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 >2000 NONE NONE NORML NORML >0.2 >170 400 200	3 0.139 1390 NONE NONE NORML NORML 0.2%		
	Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm % ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 >2000 NONE NONE NORML NORML >0.2 >170 400 200	3 0.139 1390 NONE NONE NORML NORML 0.2% 14 76 4 <1		
	Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm % ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 >2000 NONE NONE NORML NORML >0.2 >170 400 200 12	3 0.139 1390 NONE NONE NORML NORML 0.2% 14 76 4 <1		
	Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm % ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual *Tisual *Visual *ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 >2000 NONE NONE NONE NORML NORML >0.2 >170 400 200 12	3 0.139 1390 NONE NONE NORML NORML 0.2% 14 76 4 <1 11		
	Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm % ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual *ASTM D5185m ASTM D5185m	>20 >0.2 >2000 NONE NONE NONE NORML NORML >0.2 >170 400 200 12 12 150	3 0.139 1390 NONE NONE NORML NORML 0.2% 14 76 4 <1 11 19 56		
	Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm % ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm ppm pp	ASTM D5185m ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual *ASTM D5185m ASTM D5185m	>20 >0.2 >2000 NONE NONE NORML NORML >0.2 >170 400 200 12 150 1650	3 0.139 1390 NONE NONE NORML 0.2% 14 76 4 <1 11 19 56 833		
	Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm % ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm ppm pp	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual *Tisual *Visual *ASTM D5185m ASTM D5185m	>20 >0.2 >2000 NONE NONE NONE NORML NORML >0.2 >170 400 200 12 12 150 1650 125	3 0.139 1390 NONE NONE NORML NORML 0.2% 14 76 4 <1 11 19 56 833 41		
	Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm % ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm ppm pp	ASTM D5185m ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Tisual *Visual *Tisual	>20 >0.2 >2000 NONE NONE NONE NORML NORML >0.2 >170 400 200 12 12 150 1650 125 22500	3 0.139 1390 NONE NONE NORML NORML 0.2% 14 76 4 <1 11 19 56 833 41 22081		
	Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm % ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm ppm pp	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual *Tisual *Visual *ASTM D5185m ASTM D5185m	>20 >0.2 >2000 NONE NONE NONE NORML NORML >0.2 >170 400 200 12 12 150 1650 125 22500	3 0.139 1390 NONE NONE NORML NORML 0.2% 14 76 4 <1 11 19 56 833 41 22081 165		





Certificate L2367

Report Id: JAMCHA [WUSCAR] 06214985 (Generated: 06/23/2024 03:56:20) Rev: 1

Laboratory

Sample No. Lab Number : 06214985

: JR0220224

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

Unique Number: 11087849 Test Package : CONST (Additional Tests: KF, PQ)

Received **Tested** Diagnosed

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

: 19 Jun 2024 : 20 Jun 2024

: 21 Jun 2024 - Sean Felton

JRE - CHARLOTTE 9550 STATESVILLE ROAD CHARLOTTE, NC

US 28269 Contact: Chuck Sorrow

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. JSorrow@jamesriverequipment.com T:

F: (704)596-6198