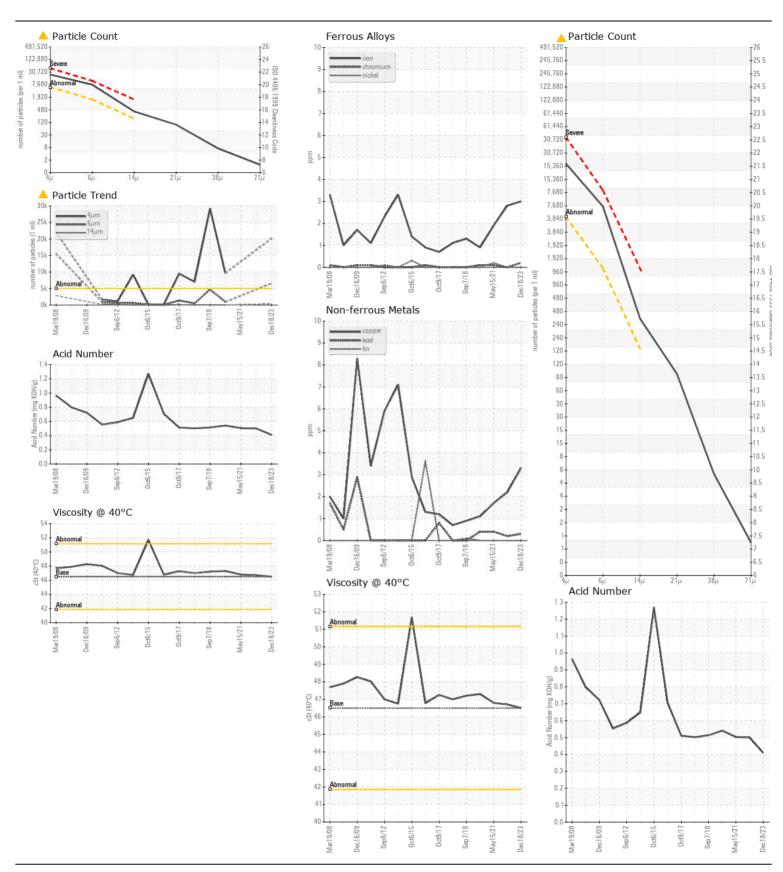
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL ABNORMAL NORMAL

INGERSOLL RAND SD115SF 000916 (S/N 160317)

Component Hydraulic System

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.	Sample Number		Client Info		WC0800484	WC0664807	WC0497855
	Sample Date		Client Info		18 Dec 2023	03 Jun 2022	15 May 202
	Machine Age	hrs	Client Info		9867	9468	9059
	Oil Age	hrs	Client Info		399	1500	1000
	Filter Age	hrs	Client Info		399	500	500
	Oil Changed		Client Info		Changed	Changed	Not Change
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ABNORMAL	ABNORMAL	ABNORMA
WEAR	Iron	ppm	ASTM D5185m	>20	3	3	2
VEAIL	Chromium	ppm	ASTM D5185m		<1	0	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	<1
	Titanium	ppm	ASTM D5185m	710	0	0	0
	Silver	ppm	ASTM D5185m		0	<1	0
	Aluminum	ppm	ASTM D5185m	>10	2	<1	<1
	Lead	ppm	ASTM D5185m		- <1	<1	<1
	Copper	ppm	ASTM D5185m		3	2	2
	Tin	ppm	ASTM D5185m		0	0	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONT A BAIN A TION	0:1:		AOTM DE405			4	
CONTAMINATION	Silicon	ppm	ASTM D5185m		1	0	0
There is a moderate amount of particulates (2 to 100 microns in size) present in the oil.	Potassium	ppm	ASTM D5185m		1 NEO	0	0
	Water		WC Method		NEG	NEG	NEG
	Particles >4µm Particles >6µm		ASTM D7647 ASTM D7647		△ 20180 △ 6552		
	Particles >0µm		ASTM D7647		▲ 351		
	Particles >21μm		ASTM D7647		▲ 82		
	Particles >38μm		ASTM D7647		6		
	Particles >71µm		ASTM D7647		1		
	Oil Cleanliness		ISO 4406 (c)		<u>^</u> 22/20/16		
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	▲ MODER	▲ MODE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
U LUD AANDITIAN							
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	<1	1
The AN level is acceptable for this fluid. The oil is still serviceable	Boron	ppm	ASTM D5185m		2	4	4
provided that the contaminant(s) can be reduced to acceptable levels.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		2	2	2
	Manganese	ppm	ASTM D5185m		0	0	<1
	Magnesium	ppm	ASTM D5185m		20	17	15
	Calcium	ppm	ASTM D5185m		253	216	236
	Phosphorus	ppm	ASTM D5185m		470 543	381 472	408 560
	7ino						
	Zinc	ppm	ASTM D5185m				
	Zinc Sulfur Acid Number (AN)	ppm ppm mg KOH/g	ASTM D5185m ASTM D8045		1526 0.41	1234 0.50	1219 0.503





Certificate L2367

Laboratory Sample No. Lab Number

Unique Number

: WC0800484 : 06060166 : 10831548 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 12 Jan 2024 Recieved : 16 Jan 2024 Diagnosed : Wes Davis Diagnostician

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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