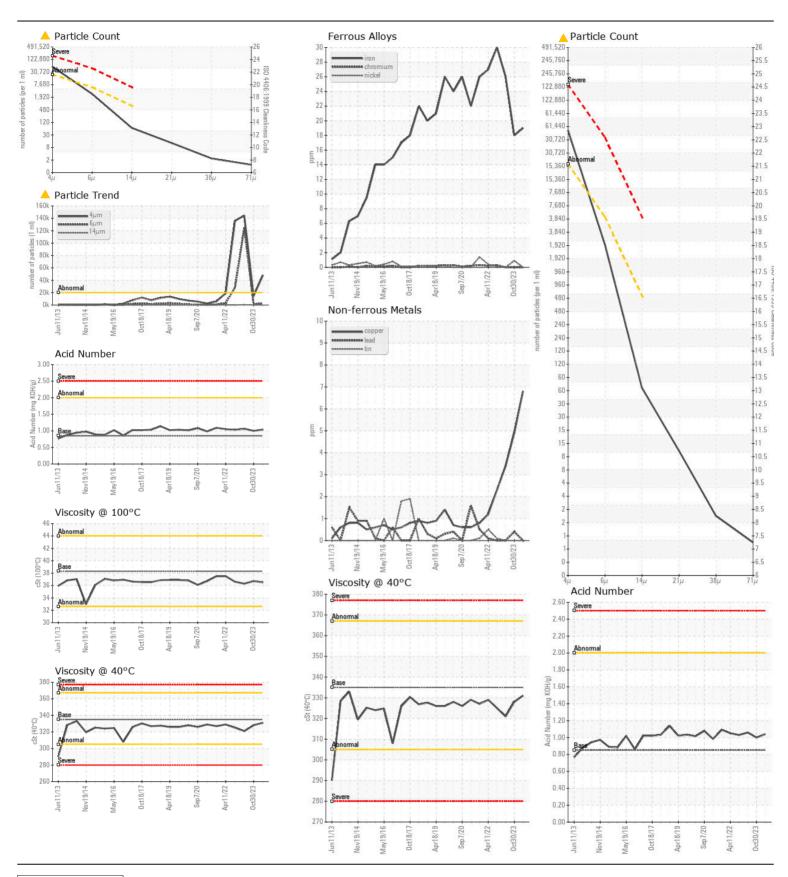
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL ABNORMAL NORMAL

Machine Id

1WM/ST/JPBD Component Gearbox

RECOMMENDATION	Test	UOM	Method	Limit/Abn		History1	History2
No compositivo poticio in recomposando detablicativos. Decomposa etablica	Sample Number		Client Info		WC0932103	WC0807381	
No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Date		Client Info		13 May 2024	30 Oct 2023	09 May 202
	Machine Age	mths	Client Info		0	0	0
	Oil Age	mths	Client Info		30	100	0
	Filter Age	mths	Client Info		0	0	0
	Oil Changed		Client Info		N/A	N/A	N/A
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				ABNORMAL	NORMAL	ABNORMA
WEAR	Iron	ppm	ASTM D5185m	>200	19	18	26
	Chromium	ppm	ASTM D5185m	>15	0	0	0
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>15	0	<1	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m		<1	0	0
	Aluminum	ppm	ASTM D5185m	>25	0	0	0
	Lead	ppm	ASTM D5185m		0	<1	0
	Copper	ppm	ASTM D5185m		7	5	3
	Tin	ppm	ASTM D5185m	>25	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
CONTAMINATION	Silicon	ppm	ASTM D5185m	>50	12	11	10
	Potassium	ppm	ASTM D5185m	>20	2	2	<1
There is a high amount of silt (particulates < 14 microns in size) present in the oil.	Water	%	ASTM D6304	>0.2	NEG	NEG	NEG
	Particles >4µm		ASTM D7647	>20000	48209	14563	14433
	Particles >6µm		ASTM D7647	>5000	2411	1684	<u></u> 12480
	Particles >14µm		ASTM D7647	>640	57	66	519
	Particles >21µm		ASTM D7647	>160	11	12	12
	Particles >38µm		ASTM D7647	>40	2	0	0
	Particles >71µm		ASTM D7647	>10	1	0	0
	Oil Cleanliness		ISO 4406 (c)	>21/19/16	23/18/13	21/18/13	2 4/24/1
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	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	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>15	1	0	0
	Boron	ppm	ASTM D5185m		0	0	0
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m	0	0	0	<1
	Manganese	ppm	ASTM D5185m		0	0	<1
	Magnesium	ppm	ASTM D5185m		<1	<1	0
	Calcium	ppm	ASTM D5185m	0	0	1	0
	Phosphorus	ppm	ASTM D5185m	485	388	346	404
	Zinc	ppm	ASTM D5185m	0	34	25	21
	Sulfur	ppm	ASTM D5185m		5590	4342	5579
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	1.04	1.00	1.06
	Visc @ 40°C	cSt	ASTM D445	335	331	328	321
	Visc @ 100°C	cSt	ASTM D445	38.3	36.5	36.7	36.3
	Viscosity Index (VI)	Scale	ASTM D2270	164	157	159	160





Certificate L2367

Lab Number

Laboratory Sample No.

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

: WC0932103 : 06189158

Tested Unique Number : 11045910 Diagnosed

Received

: 23 May 2024

: 28 May 2024

: 28 May 2024 - Don Baldridge

Test Package: PLANT (Additional Tests: KV100, VI) 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)

JPHYTEC

JΡ Contact: Service

T: F: