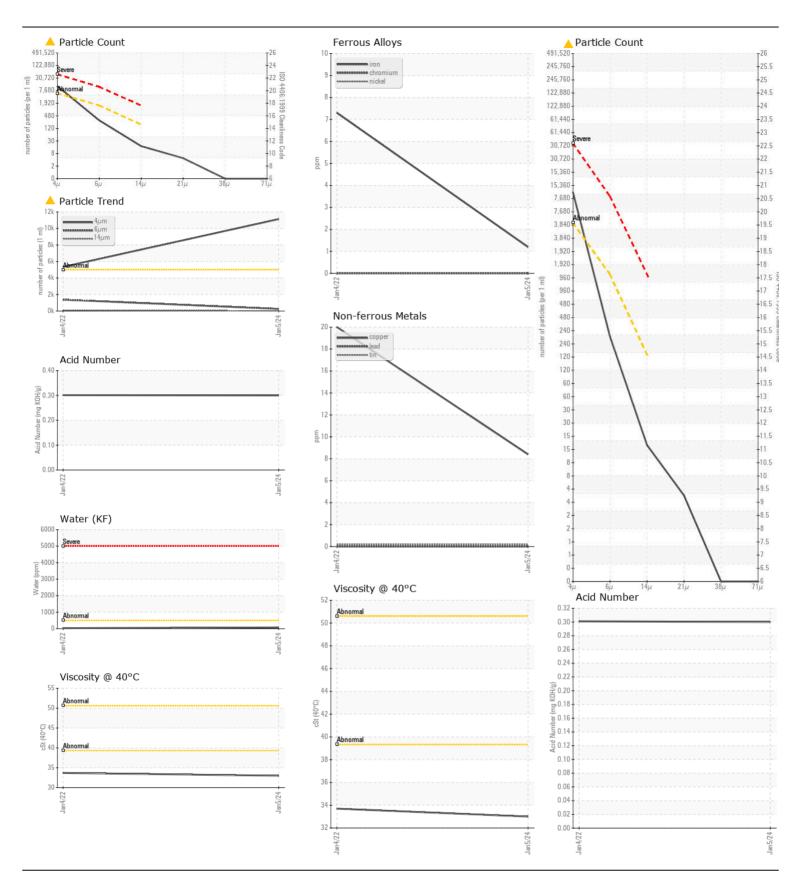
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL ABNORMAL NORMAL

F HYDRAULICS TANK

Component Hydraulic System

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We recommend you service the filters on this component. We recommend an early resample to monitor this condition.	Sample Number		Client Info		ST42846	ST42092	
	Sample Date		Client Info		05 Jan 2024	04 Jan 2022	
	Machine Age	hrs	Client Info		0	0	
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		N/A	N/A	
	Filter Changed		Client Info		N/A	N/A	
	Sample Status				ABNORMAL	ATTENTION	
WEAR	Iron	ppm	ASTM D5185m	>20	1	7	
WLAN	Chromium	ppm	ASTM D5185m		0	0	
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	
	Titanium	ppm	ASTM D5185m	<i>></i> 20	0	0	
	Silver	ppm	ASTM D5185m		0	<1	
	Aluminum	ppm	ASTM D5185m	>20	2	1	
	Lead	ppm	ASTM D5185m		0	0	
	Copper	ppm	ASTM D5185m		8	20	
	Tin	ppm	ASTM D5185m	>20	<1	<1	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m		<1	<1	
There is a moderate amount of silt (particulates < 14 microns in size)	Potassium	ppm	ASTM D5185m		1	0	
present in the oil. The water content is negligible.	Water	%	ASTM D6304		0.007	0.003	
	ppm Water	ppm	ASTM D6304		75	32.5	
	Particles >4µm		ASTM D7647		<u>11133</u>	▲ 5342	
	Particles >6µm		ASTM D7647		256	▲ 1373	
	Particles >14µm		ASTM D7647		15 4	102 19	
	Particles >21µm Particles >38µm		ASTM D7647 ASTM D7647		0	19	
	Particles >30µm		ASTM D7647		0	0	
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u> </u>	△ 20/18/14	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water			>0.05	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	<1	
The AN level is acceptable for this fluid. The oil is still serviceable	Boron	ppm	ASTM D5185m		4	<1	
provided that the contaminant(s) can be reduced to acceptable levels.	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		2	0	
	Manganese	ppm	ASTM D5185m		0	0	
	Magnesium	ppm	ASTM D5185m		18	5	
	Calcium	ppm	ASTM D5185m		74	5	
	Phosphorus	ppm	ASTM D5185m		343	291	
	Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m		352	216 869	
	Acid Number (AN)	ppm mg KOH/g	ASTM D3163111		979 0.30	0.301	
	Visc @ 40°C	my NOTI/	ASTM D6045		0.30	33.7	





Certificate L2367

Laboratory

Sample No. Lab Number **Unique Number**

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : ST42846 : 06057344 : 10823293

Recieved Diagnosed

: 10 Jan 2024 : 11 Jan 2024 : Wes Davis Diagnostician

Test Package : IND 2 (Additional Tests: KF)

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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