WEAR CONTAMINATION **FLUID CONDITION**

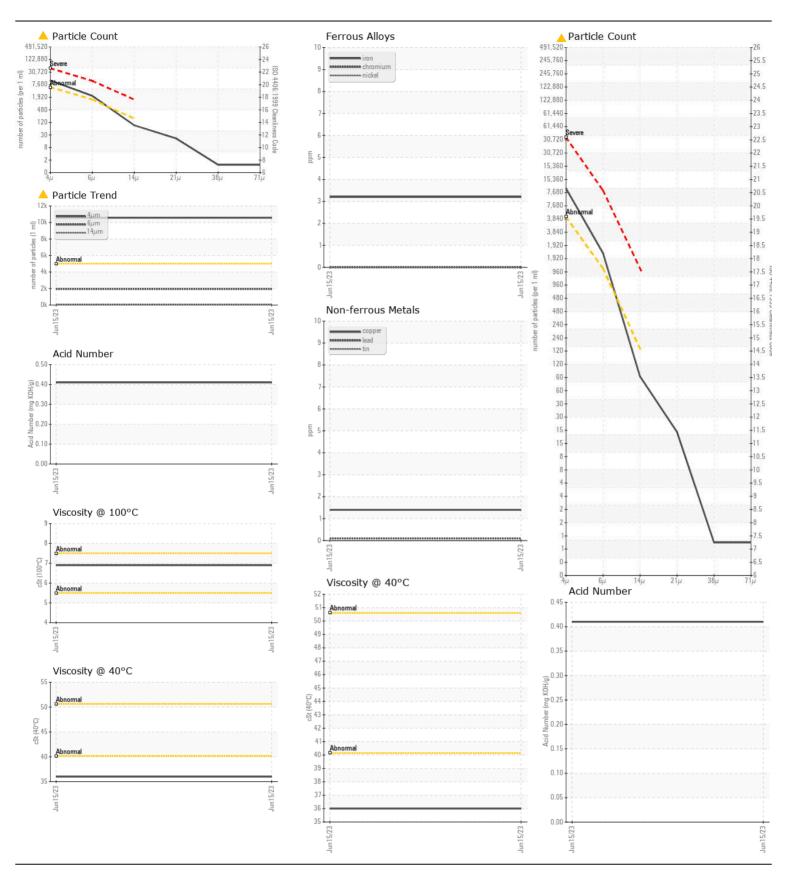
NORMAL ABNORMAL NORMAL

NOT GIVEN WC0778165

Component Hydraulic System

Inot provided (--- GAL)

{not provided} (GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We recommend you conside the filters on this comment. Described	Sample Number		Client Info		WC0778165		
We recommend you service the filters on this component. Resample at the next service interval to monitor.	Sample Date		Client Info		15 Jun 2023		
	Machine Age	hrs	Client Info		0		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		N/A		
	Filter Changed		Client Info		N/A		
	Sample Status				ABNORMAL		
WEAR	Iron	ppm	ASTM D5185m	>20	3		
	Chromium	ppm	ASTM D5185m	>10	0		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>10	0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>10	0		
	Lead	ppm	ASTM D5185m	>10	<1		
	Copper	ppm	ASTM D5185m		1		
	Tin	ppm	ASTM D5185m	>10	0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	0		
CONTAININATION	Potassium	ppm	ASTM D5185m		1		
There is a high amount of silt (particulates < 14 microns in size) present in the oil.	Water	PP	WC Method	>0.1	NEG		
	Particles >4µm		ASTM D7647		10566		
	Particles >6µm		ASTM D7647		1945		
	Particles >14µm		ASTM D7647	>160	77		
	Particles >21µm		ASTM D7647	>40	18		
	Particles >38µm		ASTM D7647	>10	1		
	Particles >71μm		ASTM D7647	>3	1		
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u> </u>		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.1	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0		
	Boron	ppm	ASTM D5185m		0		
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		2		
	Molybdenum	ppm	ASTM D5185m		<1		
	Manganese	ppm	ASTM D5185m		0		
	Magnesium	ppm	ASTM D5185m		<1		
	Calcium	ppm	ASTM D5185m		50		
	Phosphorus	ppm	ASTM D5185m		346		
	Zinc	ppm	ASTM D5185m		465		
	Sulfur	ppm	ASTM D5185m		4123		
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.41		
	Visc @ 40°C	cSt	ASTM D445		36.0		
	Visc @ 100°C	cSt	ASTM D445		6.9		
	Viscosity Index (VI)	Scale	ASTM D2270		154		





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: WC0778165 : 05875539 : 10520642

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 16 Jun 2023 Diagnosed : 19 Jun 2023

Diagnostician : Don Baldridge Test Package : MOB 2 (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)

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