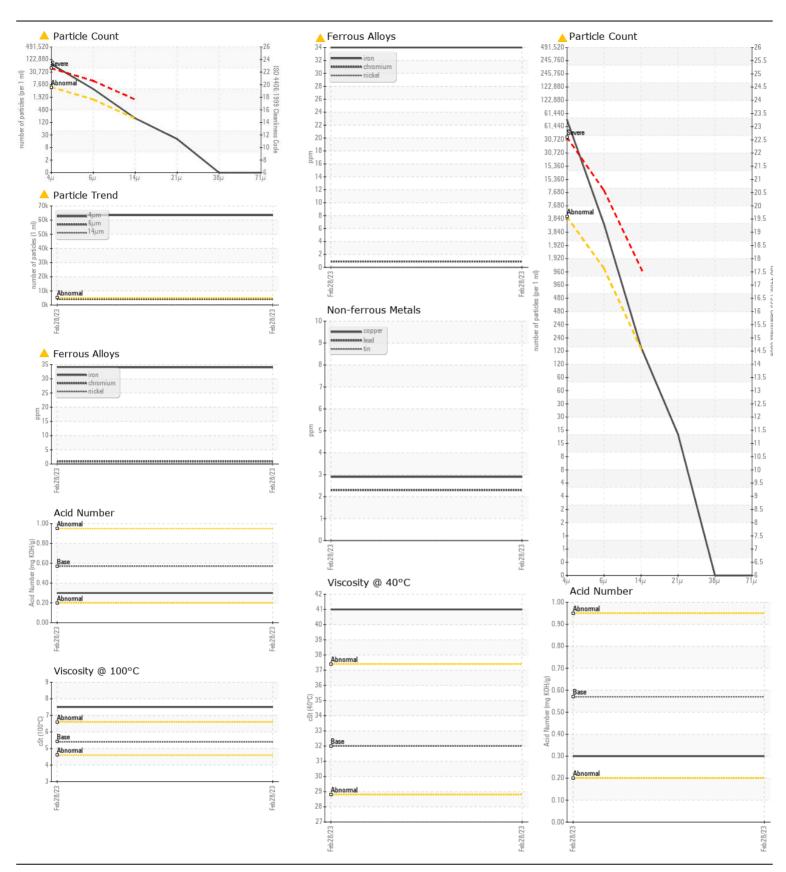
WEAR CONTAMINATION **FLUID CONDITION** **ABNORMAL ABNORMAL NORMAL**

MOFFETT ABC93535

Component Hydraulic System

RECOMMENDATION	Test	UOM	Method	Limit/Abn		History1	History2
Oil and filter shape at the time of a conflict has been rested 5	Sample Number		Client Info		WC0623930		
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Date		Client Info		28 Feb 2023		
	Machine Age	hrs	Client Info		877		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				ABNORMAL		
WEAR	Iron	ppm	ASTM D5185m	>20	4 34		
	Chromium	ppm	ASTM D5185m	>10	<1		
The iron level is abnormal. All other 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	<1		
	Lead	ppm	ASTM D5185m	>10	2		
	Copper	ppm	ASTM D5185m		3		
	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	2		
	Potassium	ppm	ASTM D5185m	>20	0		
There is a high amount of particulates present in the oil.	Water		WC Method	>0.1	NEG		
	Particles >4µm		ASTM D7647	>5000	63445		
	Particles >6µm		ASTM D7647	>1300	4151		
	Particles >14μm		ASTM D7647	>160	166		
	Particles >21µm		ASTM D7647	>40	17		
	Particles >38µm		ASTM D7647	>10	0		
	Particles >71μm		ASTM D7647	>3	0		
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	23/19/15		
	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		
LUID CONDITION	Sodium	nnm	ASTM D5185m		<1		
EOID GONDITION	Boron	ppm	ASTM D5185m	5	0		
The AN level is acceptable for this fluid. The condition of the oil is	Barium	ppm	ASTM D5185m		0		
acceptable for the time in service.	Molybdenum	ppm	ASTM D5185m		<1		
	Manganese	ppm	ASTM D5185m		1		
	Magnesium	ppm	ASTM D5185m	25	<1		
	Calcium	ppm	ASTM D5185m	200	43		
	Phosphorus	ppm	ASTM D5185m		225		
	Zinc	ppm	ASTM D5185m		292		
	Sulfur	ppm	ASTM D5185m		2635		
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.30		
	Visc @ 40°C	cSt	ASTM D0045		41.0		
	Visc @ 40 C	cSt	ASTM D445		7.5		
	Viscosity Index (VI)				151		





Certificate L2367

Laboratory Sample No. Lab Number

: WC0623930 : 05796650 **Unique Number**

: 10386334

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 20 Mar 2023 Diagnosed : 22 Mar 2023 Diagnostician : Angela Borella

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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