**OIL ANALYSIS REPORT** 

**WEAR** CONTAMINATION **FLUID CONDITION** 

**SEVERE SEVERE NORMAL** 

Machine Id

## **TA3 - GROUND PILE LEG**

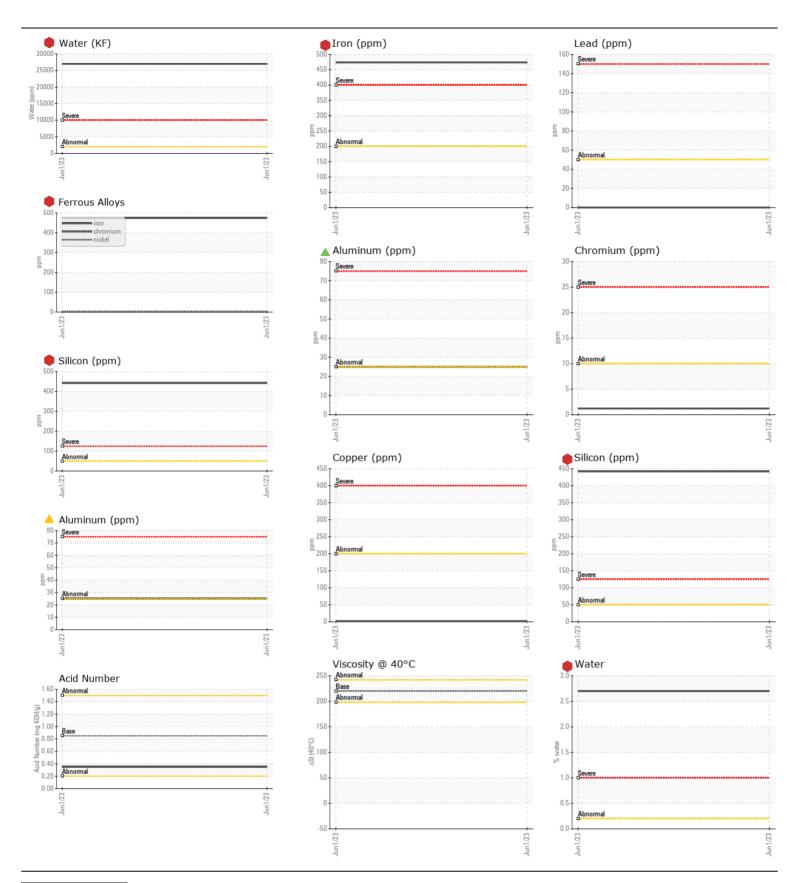
Component

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check all areas where dirt can enter the system. We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Please note that this is a corrected copy for laboratory data updates.	Sample Number		Client Info		TR05872276		
	Sample Date		Client Info		01 Jun 2023		
	Machine Age	yrs	Client Info		0		
	Oil Age	yrs	Client Info		1		
	Filter Age	yrs	Client Info		0		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		N/A		
	Sample Status				SEVERE		
VEAR	Iron	ppm	ASTM D5185m	>200	<b>474</b>		
Gear wear is indicated.	Chromium	ppm	ASTM D5185m		1		
	Nickel	ppm	ASTM D5185m		<1		
	Titanium	ppm	ASTM D5185m		3		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>25	<b>25</b>		
	Lead	ppm	ASTM D5185m	>50	0		
	Copper	ppm	ASTM D5185m	>200	2		
	Tin	ppm	ASTM D5185m	>10	<1		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress. Free water present. There is a high concentration of water present in the oil.	Silicon	ppm	ASTM D5185m	>50	<b>442</b>		
	Potassium	ppm	ASTM D5185m	>20	4		
	Water	%	ASTM D6304	>0.2	2.70		
	ppm Water	ppm	ASTM D6304	>2000	<b>27000</b>		
	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		
	<b>Emulsified Water</b>	scalar	*Visual	>0.2	<b>0.2%</b>		
LUID CONDITION	Sodium	ppm	ASTM D5185m		6		
The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.	Boron	ppm	ASTM D5185m	50	0		
	Barium	ppm	ASTM D5185m	15	7		
	Molybdenum	ppm	ASTM D5185m	15	0		
	Manganese	ppm	ASTM D5185m		3		
	Magnesium	ppm	ASTM D5185m	50	3		
		nnm	ASTM D5185m	50	66		
	Calcium	ppm	/to TWI Do Toolii	00	""		
	Calcium Phosphorus	ppm	ASTM D5185m		350		

Acid Number (AN) mg KOH/g ASTM D8045 0.85

0.35

14.8





Certificate L2367

Unique Number: 10512060

Laboratory Sample No. Lab Number : 05872276

: TR05872276

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

Diagnosed Test Package : MOB 2 ( Additional Tests: KF, KV100 )

: 16 Jun 2023 : 16 Jun 2023 - Jonathan Hester

: 13 Jun 2023

**H & S SERVICES** 5521 E SHARP SPOKANE VALLEY, WA US 99218

Contact: RON GROGAN

To discuss this sample report, contact Customer Service at 1-800-827-0711.

\* - 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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