**OIL ANALYSIS REPORT** 

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

**NORMAL ABNORMAL NORMAL** 

## TA4 - TANK 4, 5, 6 RECLAIM Component Gearbox

GEAR OIL ISO 220 ( QTS)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Number		Client Info		TR05872268		
	Sample Date		Client Info		13 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				ABNORMAL		
WEAR	Iron	ppm	ASTM D5185m	>200	13		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	<1		
	Nickel	ppm	ASTM D5185m	>10	0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>25	0		
	Lead	ppm	ASTM D5185m	>50	0		
	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	>50	<u> </u>		
Elemental level of silicon (Si) above normal indicating ingress of seal material.	Potassium	ppm	ASTM D5185m	>20	0		
	Water		WC Method	>0.2	NEG		
	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	>0.2	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1		
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m	50	0		
	Barium	ppm	ASTM D5185m	15	2		
	Molybdenum	ppm	ASTM D5185m	15	<1		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m	50	0		
	Calcium	ppm	ASTM D5185m	50	42		
	Phosphorus	ppm	ASTM D5185m	350	357		
	Zinc	ppm	ASTM D5185m	100	442		
	Sulfur	ppm	ASTM D5185m		1028		
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.46		
	Visc @ 100°C	cSt	ASTM D445		14.3		





Report Id: HSSSPO [WUSCAR] 05872268 (Generated: 03/08/2024 00:03:49) Rev: 1

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : TR05872268 Lab Number : 05872268

Unique Number : 10512052 Test Package : MOB 2 ( Additional Tests: KV100 )

Received **Tested** Diagnosed

: 13 Jun 2023 : 15 Jun 2023

: 15 Jun 2023 - Jonathan Hester

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)

Contact/Location: RON GROGAN - HSSSPO

T:

F: