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

OIL ANALYSIS REPORT

TANK 4 DRAG - UPPER MIDDLE 90

Component Gearbox

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		TR05847270		
	Sample Date		Client Info		01 May 2023		
	Machine Age	yrs	Client Info		3		
	Oil Age	yrs	Client Info		3		
	Filter Age	yrs	Client Info		0		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		N/A		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185m	>200	25		
	Chromium	ppm	ASTM D5185m		<1		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>25	2		
	Lead	ppm	ASTM D5185m	>50	0		
	Copper	ppm	ASTM D5185m	>200	0		
	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	39		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		<1		
	Water	le le	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		
	Boron	ppm	ASTM D5185m	40	<1		
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		0		
	Manganese	ppm	ASTM D5185m		1		
	Magnesium	ppm	ASTM D5185m		0		
	Calcium	ppm	ASTM D5185m		7		
	Phosphorus	ppm	ASTM D5185m	270	380		
			ACTM DE10Em		04		
	Zinc	ppm	ASTM D5185m		91		
	Zinc Sulfur	ppm	ASTM D5185m	8600	881		
		ppm					







Laboratory Sample No.

Lab Number : 05847270 Unique Number : 10471377

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : TR05847270

Received **Tested**

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

: 15 May 2023 : 17 May 2023

: 17 May 2023 - Doug Bogart

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)

Contact/Location: RON GROGAN - HSSSPO

T:

F: