## **OIL ANALYSIS REPORT**

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

**ATTENTION ABNORMAL NORMAL** 

Machine Id

COL CD 1
Component
Gearbox

TPC MOLVIII TRA-TFC GFAR OIL 80W90 (-

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 advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.	Test	UOM	Method	Limit/Abn	Current	History1	History
	Sample Number		Client Info		TR06187866		
	Sample Date		Client Info		15 May 2024		
	Machine Age	yrs	Client Info		0		
	Oil Age	yrs	Client Info		4		
	Filter Age	yrs	Client Info		0		
	Oil Changed		Client Info		N/A		
	Filter Changed		Client Info		N/A		
	Sample Status				ABNORMAL		
VEAR	Iron	ppm	ASTM D5185m	>200	192		
	Chromium	ppm	ASTM D5185m		1		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m		<1		
	Aluminum	ppm	ASTM D5185m	>25	<b>4</b> 9		
	Lead	ppm	ASTM D5185m	>50	<1		
	Copper	ppm	ASTM D5185m	>200	2		
	Tin	ppm	ASTM D5185m	>10	<1		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m		<u> </u>		
Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress. There is a light concentration of water present in the oil. Free water present.	Potassium	ppm	ASTM D5185m	>20	2		
	Water	%	ASTM D6304	>0.2	<b>△</b> 0.297		
	ppm Water	ppm	ASTM D6304	>2000	<u> </u>		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	MILKY		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.2	<u> </u>		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1		
The AN level is acceptable for this fluid.	Boron	ppm	ASTM D5185m		33		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		12		
	Manganese	ppm	ASTM D5185m		3		
		10 10 100	ASTM D5185m		8		
	Magnesium	ppm					
	Magnesium Calcium	ppm	ASTM D5185m		31		
	_				31 807		
	Calcium	ppm	ASTM D5185m				
	Calcium Phosphorus	ppm	ASTM D5185m ASTM D5185m		807		
	Calcium Phosphorus Zinc	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		807 33		
	Calcium Phosphorus Zinc Sulfur	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	186	807 33 19323		





Laboratory Sample No. Lab Number

Unique Number : 11044618

: TR06187866 : 06187866

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 May 2024 **Tested** : 23 May 2024

Diagnosed

: 24 May 2024 - Don Baldridge

US 62254 Contact: BRUCE COWELL

Test Package: MOB 2 (Additional Tests: KF, KV100, VI) Certificate L2367 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)

T: F:

820 S FRITZ

LEBANON, IL