

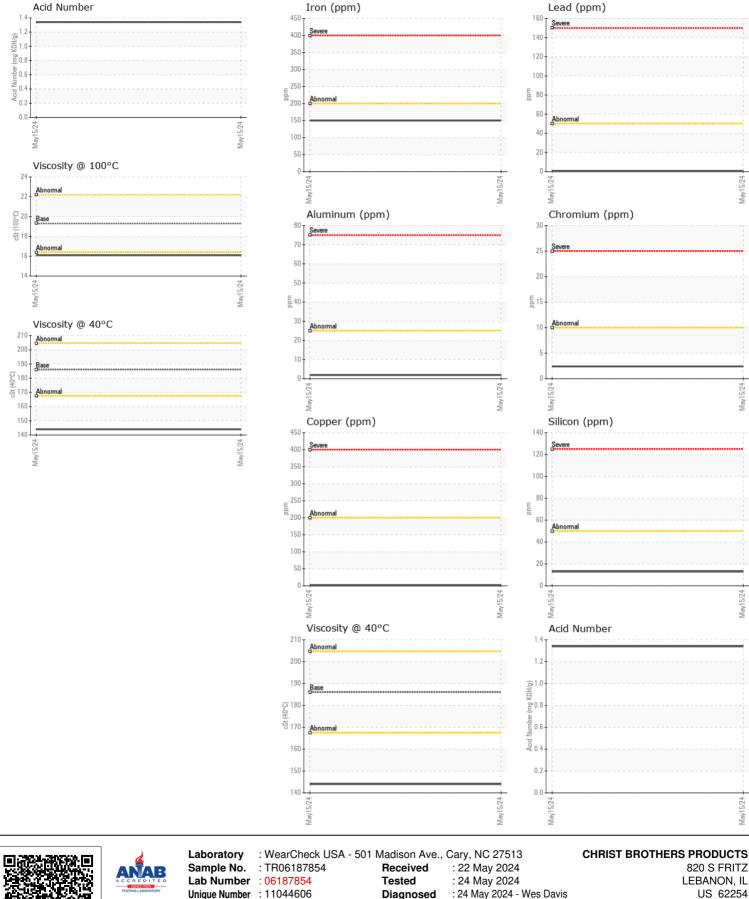
OIL ANALYSIS REPORT

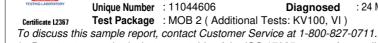
Machine Id COL AGG 3 Component Gearbox TRC MOLY ULTRA-TEC GEAR OIL 80W90 (--- GAL) RECOM

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		TR06187854		
Resample at the next service interval to monitor. Please specify the component make and model with your next sample.	Sample Date		Client Info		15 May 2024		
	Machine Age	yrs	Client Info		0		
	Oil Age	yrs	Client Info		1		
	Filter Age	yrs	Client Info		0		
	Oil Changed		Client Info		N/A		
	Filter Changed		Client Info		N/A		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185m	>200	150		
WEAR	Chromium	ppm	ASTM D5185m		2		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		- <1		
	Titanium	ppm	ASTM D5185m	210	<1		
	Silver	ppm	ASTM D5185m		<1		
	Aluminum	ppm	ASTM D5185m	>25	2		
	Lead	ppm	ASTM D5185m		- <1		
	Copper	ppm	ASTM D5185m	>200	<1		
	Tin	ppm	ASTM D5185m		<1		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
					40		
CONTAMINATION	Silicon	ppm	ASTM D5185m		13		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		2		
	Water Silt	a a a la v		>0.2	NEG NONE		
	Debris	scalar scalar	*Visual *Visual	NONE 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		6		
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		207		
	Barium	ppm	ASTM D5185m		7		
	Molybdenum	ppm	ASTM D5185m		<1		
	Manganese	ppm	ASTM D5185m		1		
	Magnesium	ppm	ASTM D5185m		2		
	Calcium	ppm	ASTM D5185m		41		
	Phosphorus	ppm	ASTM D5185m		1034		
	Zinc	ppm	ASTM D5185m		64		
	Sulfur	ppm	ASTM D5185m		22347		
	Acid Number (AN)		ASTM D8045	196	1.34		
	Visc @ 40°C	cSt	ASTM D445		144		
	Visc @ 100°C	cSt	ASTM D445	19.3	16.1		

Viscosity Index (VI) Scale ASTM D2270 125

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LEBANON, IL US 62254 Contact: BRUCE COWELL

T:

F:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: BRUCE COWELL - CHRLEB Page 2 of 2

^{* -} Denotes test methods that are outside of the ISO 17025 scope of accreditation.