

Machine Id LEB DRAG 2 Component Gearbox Fluid TRC MOLY ULTRA-TEC GEAR OIL 80W90 (--- GAL)

RECOMMENDATION

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.

WEAR

The iron level is severe. Gear wear is indicated.

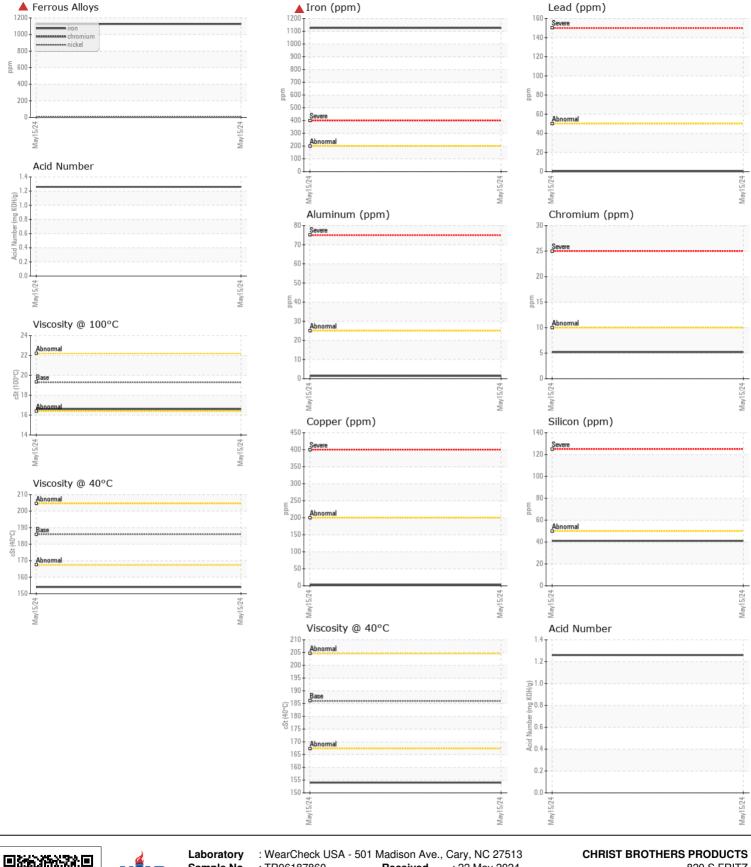
CONTAMINATION

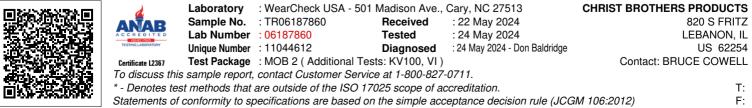
There is no indication of any contamination in the oil.

FLUID CONDITION

The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR06187860		
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				SEVERE		
Iron	ppm	ASTM D5185m	>200	1126		
Chromium	ppm	ASTM D5185m	>10	5		
Nickel	ppm	ASTM D5185m	>10	4		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>25	1		
Lead	ppm	ASTM D5185m	>50	<1		
Copper	ppm	ASTM D5185m	>200	4		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		<1		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	>50	41		
Potassium	ppm	ASTM D5185m	>20	2		
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		
Sodium	ppm	ASTM D5185m		<1		
Boron	ppm	ASTM D5185m		176		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		4		
Manganese	ppm	ASTM D5185m		10		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		28		
Phosphorus	ppm	ASTM D5185m		911		
Zinc	ppm	ASTM D5185m		20		
Sulfur	ppm	ASTM D5185m		20378		
Acid Number (AN)	mg KOH/g	ASTM D8045		1.26		
Visc @ 40°C	cSt	ASTM D445	186	154		
Visc @ 100°C	cSt	ASTM D445	19.3	16.6		
Viscosity Index (VI)	Scale	ASTM D2270	125	114		
viscosity much (VI)	oodio	NOTIN DELTO	120	···-		





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