

OIL ANALYSIS REPORT

Machine Id COL MIXER Component Gearbox Fluid TRC MOLY ULTRA-TEC GEAR OIL 80W90 (--- GAL)

RECOMMENDATION

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated.

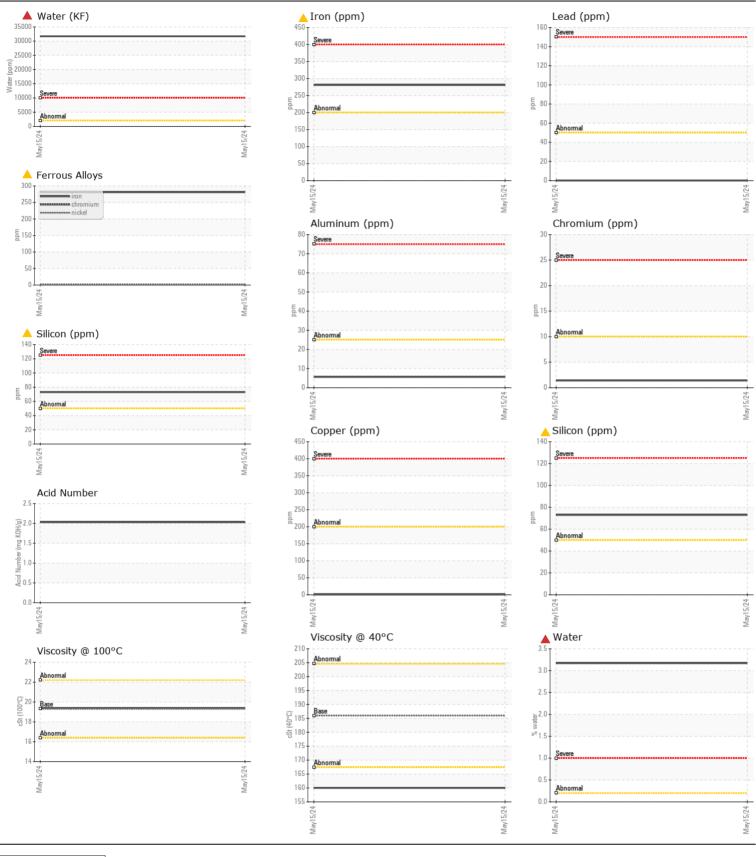
CONTAMINATION

Elemental level of silicon (Si) above normal. There is a high amount of visible silt present in the sample. There is a high concentration of water present in the oil.

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR06187855		
Sample Date		Client Info		15 May 2024		
Machine Age	yrs	Client Info		0		
Oil Age	yrs	Client Info		3		
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	A 281		
Chromium	ppm	ASTM D5185m	>10	1		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>25	6		
Lead	ppm	ASTM D5185m	>50	0		
Copper	ppm	ASTM D5185m	>200	<1		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		<1		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	>50	7 3		
Potassium	ppm	ASTM D5185m	>20	3		
Water	%	ASTM D6304	>0.2	▲ 3.17		
ppm Water	ppm	ASTM D6304	>2000	31700		
Silt	scalar	*Visual	NONE			
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML			
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	▲ 0.2%		
Sodium	ppm	ASTM D5185m		3		
Boron	ppm	ASTM D5185m		213		
Barium	ppm	ASTM D5185m		1		
Molybdenum	ppm	ASTM D5185m		19		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m		9		
Calcium	ppm	ASTM D5185m		147		
Phosphorus	ppm	ASTM D5185m		1152		
Zinc	ppm	ASTM D5185m		29		
Sulfur	ppm	ASTM D5185m		21809		
Acid Number (AN)	mg KOH/g	ASTM D8045		2.03		
Visc @ 40°C	cSt	ASTM D445	186	160		
Visc @ 100°C	cSt	ASTM D445	19.3	19.4		
Viscosity Index (VI)	Scale	ASTM D2270	125	138		



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