

OIL ANALYSIS REPORT

Sample Rating Trend







4540-1 Component 1 Gearbox

Machine Id

CASTROL RO 150 (--- GAL)

DIAGNOSIS

Recommendation

The oil is near the end of it's useful service life, recommend schedule an oil change. Resample at the next service interval to monitor. Please note that this is a corrected copy for diagnostic comment updates per supplied limits.

Wear

The lead level is abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

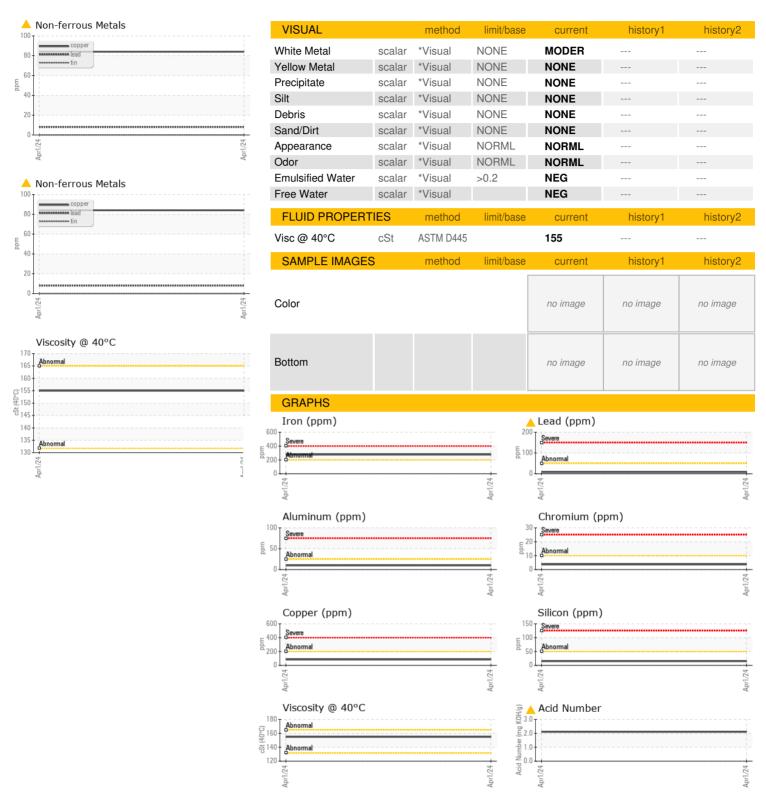
▲ Fluid Condition

The AN level is above the recommended limit.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0920086		
Sample Date		Client Info		01 Apr 2024		
Machine Age	mls	Client Info		71773		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	277		
Chromium	ppm	ASTM D5185m	>10	4		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	10		
Lead	ppm	ASTM D5185m	>50	<u>^</u> 8		
Copper	ppm	ASTM D5185m	>200	84		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		7		
Barium	ppm	ASTM D5185m		6		
Molybdenum	ppm	ASTM D5185m		733		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m		23		
Calcium	ppm	ASTM D5185m		150		
Phosphorus	ppm	ASTM D5185m		1624		
Zinc	ppm	ASTM D5185m		270		
Sulfur	ppm	ASTM D5185m		17238		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	15		
Sodium	ppm	ASTM D5185m		5		
Potassium	ppm	ASTM D5185m	>20	4		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<u> </u>		



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Laboratory Sample No.

Lab Number : 06145332 Unique Number : 10970140

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0920086

Received : 10 Apr 2024 Tested Diagnosed

: 12 Apr 2024 : 20 Jun 2024 - Doug Bogart

1148 NEWARK TURNPIKE KEARNY, NJ US 07032 Contact: DAVE GILBERT

Test Package : MOB 2 Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

david.gilbert@alstomgroup.com T:

ALSTOM C/O NEW JERSEY TRANSIT

* - 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)

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