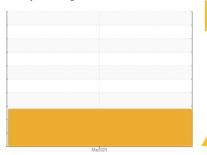


OIL ANALYSIS REPORT

Sample Rating Trend







4547-1 Component 1 Gearbox

CASTROL RO 150 (--- GAL)

DIAGNOSIS

Machine Id

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

Bearing and/or gear wear is indicated.

Contamination

There is no indication of any contamination in the oil

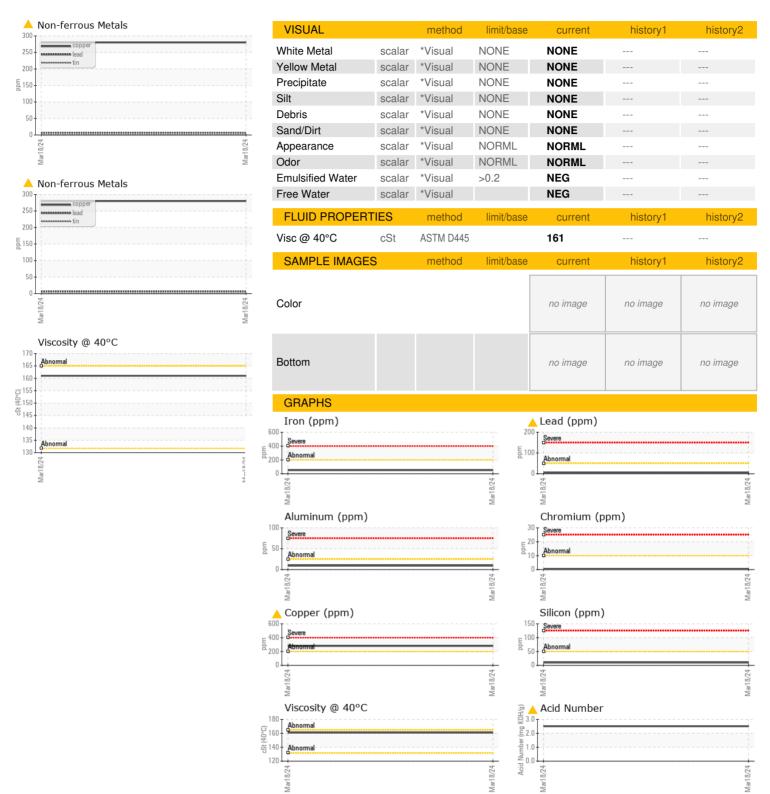
▲ Fluid Condition

The AN level is above the recommended limit.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0878193		
Sample Date		Client Info		18 Mar 2024		
Machine Age	mls	Client Info		36685		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINATION	V	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	52		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	9		
Lead	ppm	ASTM D5185m	>50	<u> </u>		
Copper	ppm	ASTM D5185m	>200	280		
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		60		
Molybdenum	ppm	ASTM D5185m		930		
Manganese	ppm	ASTM D5185m		1		
Magnesium	ppm	ASTM D5185m		20		
Calcium	ppm	ASTM D5185m		69		
Phosphorus	ppm	ASTM D5185m		2138		
Zinc	ppm	ASTM D5185m		641		
Sulfur	ppm	ASTM D5185m		22167		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	10		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	3		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<u> </u>		



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number : 06145336

: WC0878193 Unique Number : 10970144 Test Package : MOB 2

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

Received : 10 Apr 2024 Tested Diagnosed

: 12 Apr 2024 : 20 Jun 2024 - Doug Bogart

ALSTOM C/O NEW JERSEY TRANSIT 1148 NEWARK TURNPIKE KEARNY, NJ US 07032

Contact: DAVE GILBERT david.gilbert@alstomgroup.com

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - 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) F: (973)277-0826 Contact/Location: DAVE GILBERT - NEWKEA

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