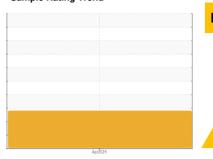


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id
4535-3
Component
3 Gearbox

CASTROL OPTIGEAR SYNTHETIC 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

Bearing and/or gear wear is indicated.

Contamination

There is no indication of any contamination in the oil

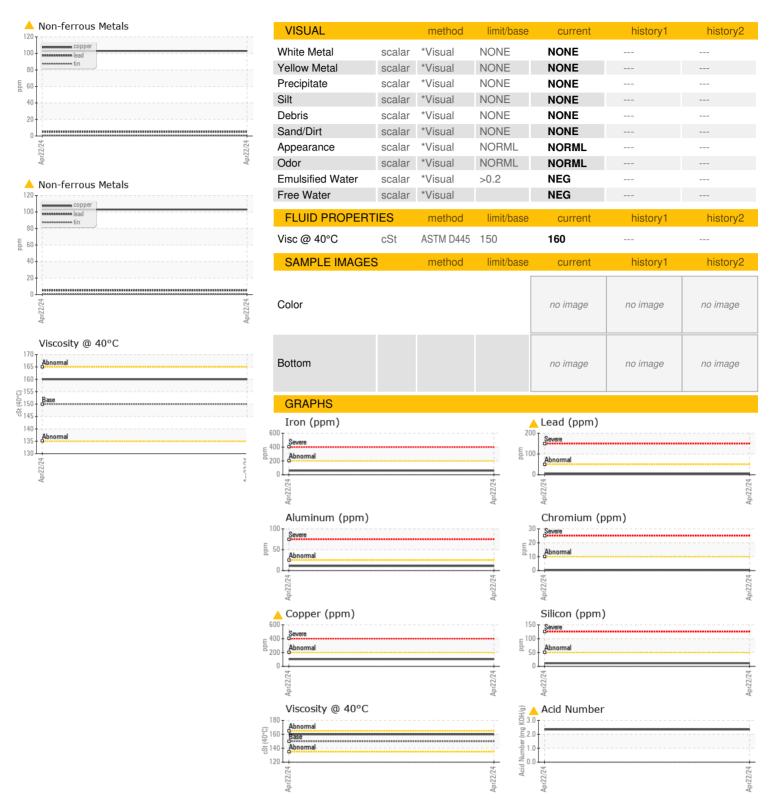
▲ Fluid Condition

The AN level is above the recommended limit.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0920079		
Sample Date		Client Info		22 Apr 2024		
Machine Age	mls	Client Info		78488		
Oil Age	mls	Client Info		28488		
Oil Changed		Client Info		Changed		
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	59		
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	11		
Lead	ppm	ASTM D5185m	>50	<u> </u>		
Copper	ppm	ASTM D5185m	>200	<u> </u>		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		2		
Barium	ppm	ASTM D5185m		30		
Molybdenum	ppm	ASTM D5185m		1005		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m		18		
Calcium	ppm	ASTM D5185m		89		
Phosphorus	ppm	ASTM D5185m		2086		
Zinc	ppm	ASTM D5185m		536		
Sulfur	ppm	ASTM D5185m		22374		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	11		
Sodium	ppm	ASTM D5185m		8		
D-1	ppm	ASTM D5185m	>20	3		
Potassium						
Potassium FLUID DEGRADA		method	limit/base	current	history1	history2



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number : 06178972 Unique Number : 11030298

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0920079

Received : 14 May 2024 Tested Diagnosed

: 05 Jun 2024 : 20 Jun 2024 - Doug Bogart

ALSTOM C/O NEW JERSEY TRANSIT 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:

* - 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