

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
4548-1
Component
1 Gearbox

CASTROL OPTIGEAR SYNTHETIC RO 150 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry update for oil type.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

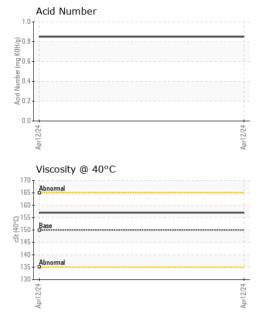
Fluid Condition

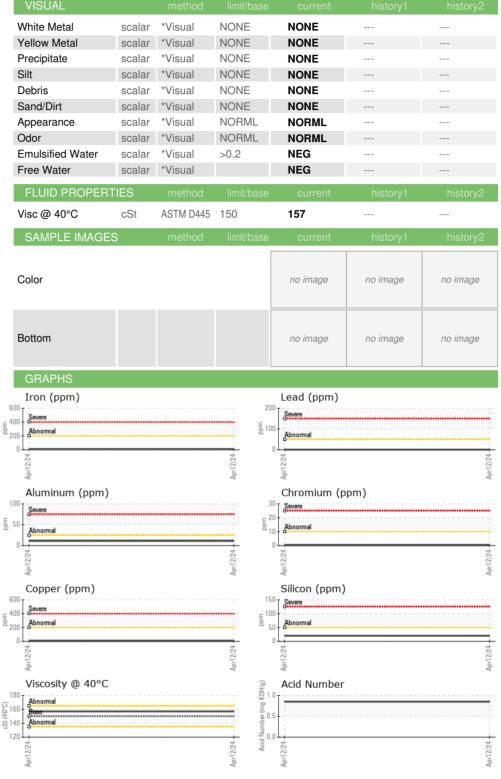
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

(GAL)						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0920073		
Sample Date		Client Info		12 Apr 2024		
Machine Age	mls	Client Info		61075		
Oil Age	mls	Client Info		11075		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	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	8		
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	0		
Copper	ppm	ASTM D5185m	>200	3		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		6		
Molybdenum	ppm	ASTM D5185m		1170		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		311		
Phosphorus	ppm	ASTM D5185m		262		
Zinc	ppm	ASTM D5185m		6		
Sulfur	ppm	ASTM D5185m		21670		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	20		
Sodium	ppm	ASTM D5185m		6		
Potassium	ppm	ASTM D5185m	>20	2		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.85		



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Certificate 12367

Laboratory Sample No. Lab Number : 06178965

Test Package : MOB 2

: WC0920073 Unique Number : 11030291

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

Received **Tested** Diagnosed

: 14 May 2024 : 05 Jun 2024

: 05 Jun 2024 - Doug Bogart

1148 NEWARK TURNPIKE KEARNY, NJ US 07032

ALSTOM C/O NEW JERSEY TRANSIT

Contact: DAVE GILBERT david.gilbert@alstomgroup.com T:

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)

Report Id: NEWKEA [WUSCAR] 06178965 (Generated: 06/05/2024 10:21:34) Rev: 2

Contact/Location: DAVE GILBERT - NEWKEA

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