

OIL ANALYSIS REPORT



Machine Id **4540-4** Component **4 Gearbox** Fluid **CASTROL RO 150 (--- GAL)**

DIAGNOSIS

A 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.

A Wear

Bearing and/or gear wear is indicated.

Contamination

There is no indication of any contamination in the oil.

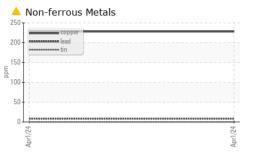
Fluid Condition

The AN level is above the recommended limit.

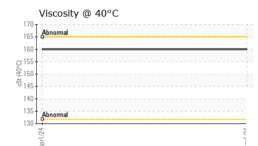
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0920089		
Sample Date		Client Info		01 Apr 2024		
Machine Age	mls	Client Info		71773		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	133		
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	10		
Lead	ppm	ASTM D5185m	>50	<mark>/</mark> 8		
Copper	ppm	ASTM D5185m	>200	<u> </u>		
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		5		
Barium	ppm	ASTM D5185m		16		
Molybdenum	ppm	ASTM D5185m		883		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m		24		
Calcium	ppm	ASTM D5185m		106		
Phosphorus	ppm	ASTM D5185m		1883		
Zinc	ppm	ASTM D5185m		467		
Sulfur	ppm	ASTM D5185m		19819		
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	13		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	3		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		A 2.24		



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VISUAL		method	limit/base	current	history1	histor
White Metal	scalar	*Visual	NONE	LIGHT		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG		
FLUID PROPERT	IES	method	limit/base	current	history1	histor
Visc @ 40°C	cSt	ASTM D445		160		
SAMPLE IMAGES	;	method	limit/base	current	history1	histor
Color					no image	no imag
Bottom					no image	no imag
GRAPHS						
Iron (ppm)				Lead (ppm)		
600 Severe			20	Severe		
400 - Abnormal			튭 10	0		
200				Abnormal		
Apr1/24			Apr1/24	Apr1/24		
			A.			
Aluminum (ppm)			3	Chromium (pj ⁰⊺ Severe	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
E 50			۳ ²			
Abnormal			^E 1	0 - Abnormal		
0				54 0		
Apr1/24			Apr1/24	Apr1/24		
Copper (ppm)				Silicon (ppm)		
600 = 400		15	0 CONTRACTOR			
E 200 - Abnormal			E 5	Abnormal		
0				0		
Apr1/24			Apr1/24	Apr1/24		
Viscosity @ 40°C						
180 Abnormal			Hog 3.			
다. 160 - Abnormal 정 140 - Abnormal			<u>ل</u> و 2.	0		
- Q			1/24 10 Number (mg KOH/g) 10 Number (mg KOH/g)	0		
1204			Z4 +	54+0		
Apr1/24			Apr1/24 Aci	Apr1/24		
: WearCheck USA - 501 : WC0920089 • : 06145329 • : 10970137	Madiso Recei Teste Diagr	ived : 10 ed : 12	y, NC 27513 0 Apr 2024 2 Apr 2024) Jun 2024 - Do		M C/O NEW JEF 1148 NEWA	

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

Certificate L2367

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