

OIL ANALYSIS REPORT



Machine Id 4548-4

Component 4 Gearbox Fluid

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

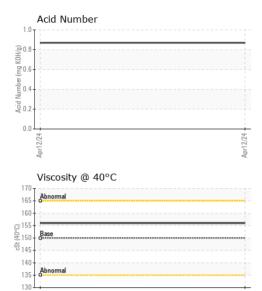
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		WC0920076			
Sample Date		Client Info		12 Apr 2024			
Machine Age	mls	Client Info		61075			
Oil Age	mls	Client Info		11075			
Oil Changed	11115	Client Info		Changed			
Ũ		Client Inio		NORMAL			
Sample Status				NORMAL			
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	6			
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	7			
Lead	ppm	ASTM D5185m	>50	0			
Copper	ppm	ASTM D5185m	>200	2			
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		5			
Molybdenum	ppm	ASTM D5185m		832			
Manganese	ppm	ASTM D5185m		0			
Magnesium	ppm	ASTM D5185m		<1			
Calcium	ppm	ASTM D5185m		225			
Phosphorus	ppm	ASTM D5185m		191			
Zinc	ppm	ASTM D5185m		5			
Sulfur	ppm	ASTM D5185m		15067			
CONTAMINANTS		method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>50	14			
Sodium	ppm	ASTM D5185m		4			
Potassium	ppm	ASTM D5185m	>20	2			
FLUID DEGRADA	TION	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045		0.87			



Apr12/24

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	VISUAL		method	limit/base	current	history1	history2
	White Metal	scalar	*Visual	NONE	NONE		
	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		
2/24 -	Appearance	scalar	*Visual	NORML	NORML		
Apri 2/24	Odor	scalar	*Visual	NORML	NORML		
2	Emulsified Water	scalar	*Visual	>0.2	NEG		
	Free Water	scalar	*Visual		NEG		
	FLUID PROPERT		method	limit/baco	ourropt	history1	history?
				limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445	150	156		
	SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Apri 2/24	Color				no image	no image	no image
	Bottom				no image	no image	no image
	GRAPHS Iron (ppm)			툍10			
	Aluminum (ppm)			Apr12/24	Chromium (p	pm)	Apr12/24
	Apri 2/24			Apr12/24	Apri 2/24		Apr12/24
	Copper (ppm)			19 E 10 E 9	Silicon (ppm)		
	Viscosity @ 40°C			Apr12/24 -	Acid Number		Apri 2/24 -
	Contraction (Contraction) (Con			Apr12/224	April 2/24		Apr12/24
Laboratory Sample No. Lab Number Unique Number Test Package To discuss this sample report, * - Denotes test methods that	: WearCheck USA - 50 : WC0920076 : 06178967 : 11030293 : MOB 2 contact Customer Servi	Rece Teste Diagr ce at 1-8 7025 sco	ived : 12 ed : 05 nosed : 05 800-237-1365 ope of accrec	r, NC 27513 I May 2024 5 Jun 2024 Jun 2024 - Do 9. Jun 2024 - Do	ALSTO bug Bogart	Contact: D david.gilbert@al:	RSEY TRANSIT RK TURNPIKE KEARNY, NJ US 07032 DAVE GILBERT

Contact/Location: DAVE GILBERT - NEWKEA