

OIL ANALYSIS REPORT



Machine Id 4535-4

Component 4 Gearbox

Fluid CASTROL OPTIGEAR SYNTHETIC RO 150 (--- GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Please note that this is a corrected copy for diagnostic comment updates per supplied limits.

📥 Wear

The copper level is abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The AN level is above the recommended limit.

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0920080		
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		
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	91		
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	12		
Lead	ppm	ASTM D5185m	>50	4		
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		3		
Barium	ppm	ASTM D5185m		46		
Molybdenum	ppm	ASTM D5185m		1008		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m		20		
Calcium	ppm	ASTM D5185m		91		
Phosphorus	ppm	ASTM D5185m		2086		
Zinc	ppm	ASTM D5185m		579		
Sulfur	ppm	ASTM D5185m		22632		
CONTAMINANTS	;	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		2 .44		



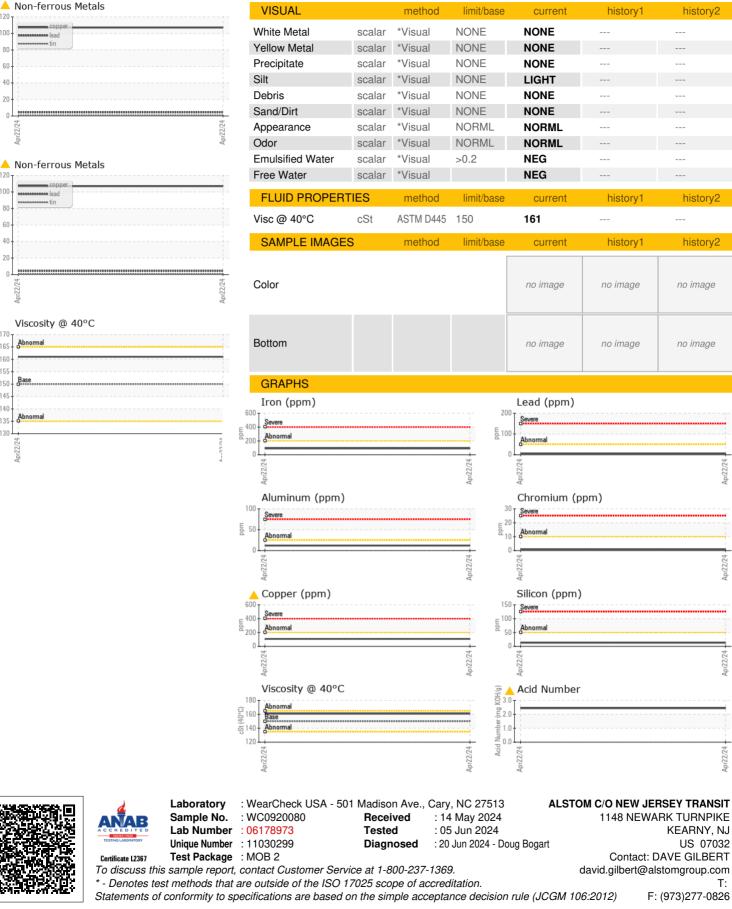
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Contact/Location: DAVE GILBERT - NEWKEA