

OIL ANALYSIS REPORT



Machine Id **4551-1** Component **1 Gearbox** Fluid **OPTIGEAR RMO 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		WC0920061		
Sample Date		Client Info		01 May 2024		
Machine Age	mls	Client Info		10407		
Oil Age	mls	Client Info		10407		
Oil Changed		Client Info		Not Changd		
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	139		
Chromium	ppm	ASTM D5185m	>10	2		
Nickel	ppm	ASTM D5185m	>10	2		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	15		
Lead	ppm	ASTM D5185m	>50	<mark>/</mark> 8		
Copper	ppm	ASTM D5185m	>200	🔺 161		
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		8		
Barium	ppm	ASTM D5185m		67		
Molybdenum	ppm	ASTM D5185m		973		
Manganese	ppm	ASTM D5185m		3		
Magnesium	ppm	ASTM D5185m		24		
Calcium	ppm	ASTM D5185m		83		
Phosphorus	ppm	ASTM D5185m		2193		
Zinc	ppm	ASTM D5185m		657		
Sulfur	ppm	ASTM D5185m		21869		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	15		
Sodium	ppm	ASTM D5185m		6		
Potassium	ppm	ASTM D5185m	>20	4		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		A 2.54		



200

150

Lange 100

50

200

150

a 100

50

170

165 160 () 0€155

향₁₄₅

140

135

130

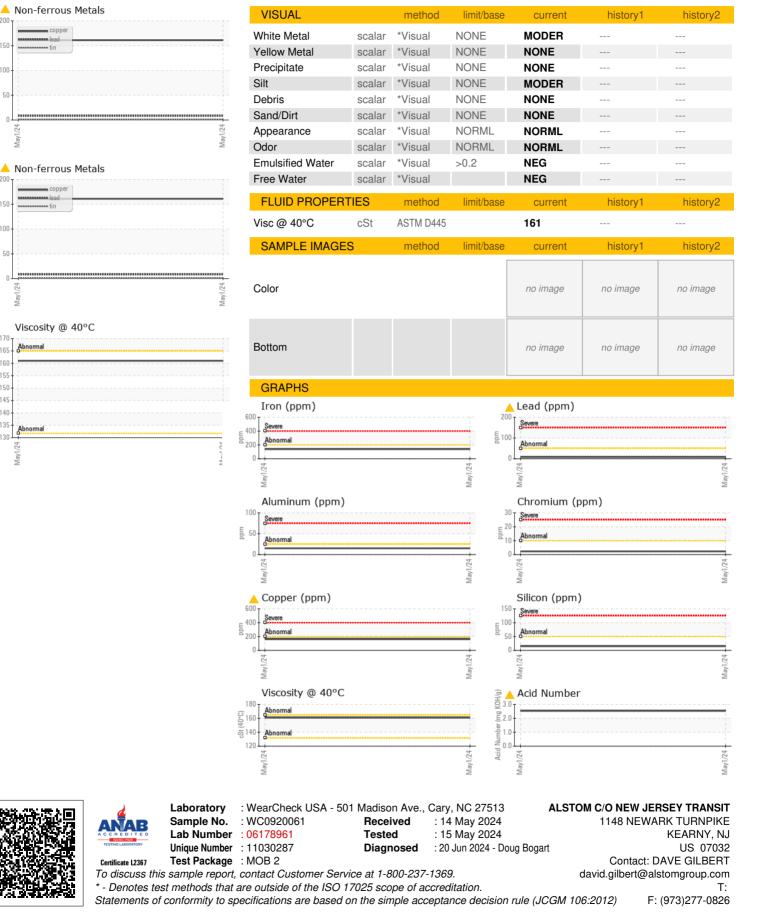
Abnor

Vav

Abnorma

/Jav1

OIL ANALYSIS REPORT



Contact/Location: DAVE GILBERT - NEWKEA