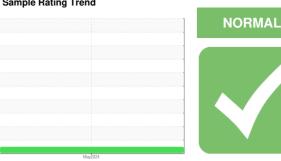


# **OIL ANALYSIS REPORT**

## Sample Rating Trend



Machine Id 11 CO 16731

Gearbox

{not provided} (--- GAL)

### Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

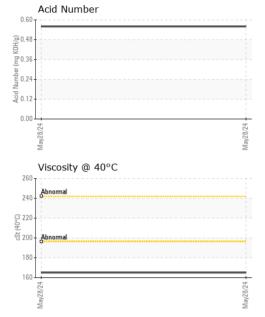
### **Fluid Condition**

Viscosity of sample indicates oil is within ISO 150 range, advise investigate. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06203480		
Sample Date		Client Info		28 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	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	19		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	0		
Lead	ppm	ASTM D5185m	>50	0		
Copper	ppm	ASTM D5185m	>200	0		
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		7		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		1		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		161		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		5804		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	2		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.56		



# **OIL ANALYSIS REPORT**



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		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG		
FLUID PROPERT		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		165		
SAMPLE IMAGES	5	method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image
GRAPHS						
Iron (ppm)			20	Lead (ppm)		
			/1			
C			20	Severe		
			E 10	Severe		
400 - Severe 200 - Abnormal			10	Severe Abnormal		ay28/24
400 Anormal  600 Anormal  600 Anormal  600 Anormal			<u>E</u> 10	Approximal Severe	nm)	May28/24
Abnormal  Aluminum (ppm)			10	Abnomal  Abnomal  Chromium (p	pm)	May28/24
Aluminum (ppm)  Severe  Aluminum (ppm)  Severe  Aluminum (ppm)			May28/24 mqq 1	Abnomal  Chromium (p	pm)	May28/24
Aluminum (ppm)			May28/24 mqq 1	Abnomal  Chromium (p	pm)	May28/24
Aluminum (ppm)  Severe Abnormal  Aluminum (ppm)  Abnormal  Abnormal			May28/24 4 mdd	Abnomal  Chromium (p		
Abnomal  Aluminum (ppm)  Severe  Aluminum (ppm)  Aluminum (ppm)  Severe  Copper (ppm)			42/82/eM 3 2 1 15	Abnomal  Chromium (p  Severe  Abnomal  1,2/82/keW  Chromium (p  Silicon (ppm)		
Abnomal  Aluminum (ppm)  Severe  Aluminum (ppm)  Aluminum (ppm)  Severe  Copper (ppm)			May28/24 May28/24 mdq mdq 15	Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Severe		
Aluminum (ppm)  Severe  Abnormal  Aluminum (ppm)  Severe  Abnormal  Copper (ppm)  Severe  Abnormal			May28.24 May28.24 mpq 15 mpq 15 mpq 15 mpq 10 mpq 15 mpq 1	Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Severe		May28/24
Aluminum (ppm)  Severe Abnormal  Aluminum (ppm)  Severe Abnormal  Copper (ppm)  Severe Abnormal  400  Abnormal  400  Abnormal  400  Abnormal  400  Abnormal			mqqq 42/82/eM 42/82/eM 42/82/eM 42/82/eM 42/82/eM	Abnormal  Chromium (p  Severe  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal		
Aluminum (ppm)  Aluminum (ppm)  Severe  Abnormal  Copper (ppm)  Severe  Abnormal  Viscosity @ 40°C			mqqq 42/82/eM 42/82/eM 42/82/eM 42/82/eM 42/82/eM	Abnormal  Chromium (p  Severe  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal		May28/24
Aluminum (ppm)  Aluminum (ppm)  Severe  Ahnomal  Aluminum (ppm)  Severe  Ahnomal  Copper (ppm)  Severe  Ahnomal  Viscosity @ 40°C			mqqq 42/82/eM 42/82/eM 42/82/eM 42/82/eM 42/82/eM	Abnormal  Chromium (p  Severe  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal		May28/24
Aluminum (ppm)  Aluminum (ppm)  Severe  Ahnomal  Aluminum (ppm)  Severe  Ahnomal  Copper (ppm)  Severe  Ahnomal  Viscosity @ 40°C			mqqq 42/82/eM 42/82/eM 42/82/eM 42/82/eM 42/82/eM	Abnormal  Chromium (p  Severe  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal		May28/24
Aluminum (ppm)  Severe Abnormal  Aluminum (ppm)  Severe Abnormal  Copper (ppm)  Abnormal  Viscosity @ 40°C  Abnormal			May28.24 May28.24 mpq 15 mpq 15 mpq 15 mpq 10 mpq 15 mpq 1	Abnormal  Chromium (p  Severe  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal		May28/24





Laboratory Sample No.

Lab Number : 06203480 Unique Number : 11070941

: WC06203480

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 07 Jun 2024 Tested : 12 Jun 2024

Diagnosed : 12 Jun 2024 - Angela Borella

Test Package : MOB 2 Certificate 12367 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)

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