

# **OIL ANALYSIS REPORT**

Sample Rating Trend



NORMAL



Machine Id
39 CO 16746
Component
Gearbox

GEAR OIL ISO 460 (--- GAL)

$\neg$			
DIA	~~	NI/	

#### Recommendation

Resample at the next service interval to monitor.

#### 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 acceptable for the time in service.

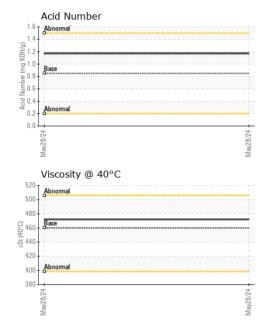
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06203495		
Sample Date		Client Info		28 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	J	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	2		
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	50	12		
Barium	ppm	ASTM D5185m	15	0		
Molybdenum	ppm	ASTM D5185m	15	0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	50	<1		
Calcium	ppm	ASTM D5185m	50	<1		
Phosphorus	ppm	ASTM D5185m	350	395		
Zinc	ppm	ASTM D5185m	100	2		
Sulfur	ppm	ASTM D5185m	12500	15261		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	0		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

1.17

Acid Number (AN) mg KOH/g ASTM D8045 0.85



## **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		
<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG		
FLUID PROPER	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	460	472		
SAMPLE IMAGE	S	method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image
GRAPHS						
Iron (ppm)				Lead (ppm)		
600 T			200	Severe		
Severe				Severe		
Severe Abnormal			퉅 100	Severe		
Severe Abnormal			퉅 100	Severe		19728/24
Severe Abnormal			톨 100	Severe Abnormal	pm)	May28/24
Severe  200 - Abnomal  0 - 47,826    Aluminum (ppm)			May28/74 May28/74	Abnomal Abnomal Chromium (p	pm)	May28/24
Severe  Abnomal  Aluminum (ppm)			May28/24	Abnomal Abnomal Chromium (p	pm)	May2824
Aluminum (ppm)  Severe  Aluminum (ppm)  Severe  Abnormal			May28.74	Abnomal  Chromium (p)  Severe  Chromium (p)  Severe  Abnomal	pm)	
Aluminum (ppm)  Severe  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal			36 wdd 100	Abnomal Chromium (p	pm)	May28/24 May28/24
Aluminum (ppm)  Abnomal  Aluminum (ppm)  Severe  Abnomal  O  PT Severe  Copper (ppm)			May28.74	Abnormal  Chromium (p	pm)	
Aluminum (ppm)  Severe  Abnormal  Aluminum (ppm)  Severe  Copper (ppm)			30 Way282/8M 30 20 47.882/8M	Severe  Abnormal  Abnormal  Chromium (p)  Severe  Abnormal  Abnormal  Severe  Severe	pm)	
Abnormal  Copper (ppm)  Severe  Abnormal  Abnormal  Abnormal  Copper (ppm)  Severe  Abnormal  Abnormal			30 47828/24 47878/26 4787/28/24	Abnormal  Chromium (pi Severe  Abnormal  Abnormal  Abnormal  Silicon (ppm)	pm)	
Aluminum (ppm)  Aluminum (ppm)  Severe  Abnormal  Copper (ppm)  Severe  Abnormal			May/28/24 May/28	Abnormal	pm)	May28/24
Abnormal  Abnormal  Aluminum (ppm)  Severe  Abnormal  Aluminum (ppm)  Severe  Abnormal  Copper (ppm)  Severe  Abnormal  Abnormal			30 Way2874M 30 May2874M 4208286M 150 100 100 100 100 100 100 100	Severe  Abnormal  Chromium (pi  Severe  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Acid Number	pm)	
Abnormal  Copper (ppm)  Severe  Abnormal  Abnormal  Copper (ppm)  Severe  Abnormal  Viscosity @ 40°C			30 Way2874M 30 May2874M 4208286M 150 100 100 100 100 100 100 100	Severe  Abnormal  Chromium (pi  Severe  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Acid Number	pm)	May28/24
Abnormal  Copper (ppm)  Severe  Abnormal  Aluminum (ppm)  Severe  Abnormal  Copper (ppm)  Severe  Abnormal  Viscosity @ 40°C			30 Way2874M 30 May2874M 4208286M 150 100 100 100 100 100 100 100	Severe  Abnormal  Chromium (p)  Severe  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal	pm)	May28/24
Abnormal  Copper (ppm)  Severe  Abnormal  Copper (ppm)  Severe  Abnormal  Copper (ppm)  Severe  Abnormal  Viscosity @ 40°C			30 Way2874M 30 May2874M 4208286M 150 100 100 100 100 100 100 100	Abnormal  Chromium (pi Severe  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Acid Number  Abnormal  Acid Number	pm)	May28/24
Aluminum (ppm)  Aluminum (ppm)  Severe  Abnormal  Copper (ppm)  Severe  Abnormal  Viscosity @ 40°C			May 28/24 May 28	Abnormal  Chromium (pi Severe  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Abnormal  Acid Number  Abnormal  Acid Number	pm)	May28/24





Certificate 12367

**Sample No.** : WC06203495 Lab Number : 06203495

cSt (40°C)

Unique Number : 11070956 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 07 Jun 2024 Tested : 11 Jun 2024

Diagnosed : 12 Jun 2024 - Angela Borella

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: JOHN STEED john.steed@momar.com T: (404)355-4580

**MOMAR Incorporated** 

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\* - 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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