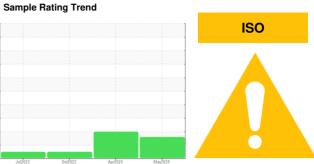


# **OIL ANALYSIS REPORT**



Machine Id

# **TRIOLIET BV 11732972/ING03**

Gearbox

SHELL OMALA S4 GX 220 (--- GAL)

## **DIAGNOSIS**

### Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. Please note that this is a corrected copy for laboratory data updates.

All component wear rates are normal.

## Contamination

There is a high amount of particulates present in the oil.

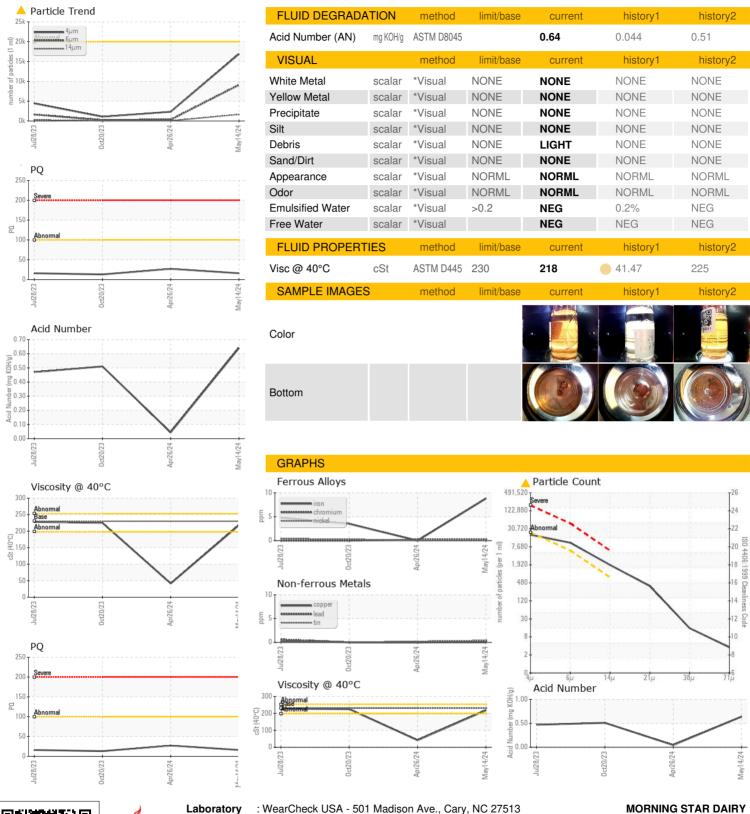
### **Fluid Condition**

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

		Jul2023	0ct2023	Apr2024 M	ay2024	
0.11151 5 1115051						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PE0003825	PE0003838	PE0002511
Sample Date		Client Info		14 May 2024	26 Apr 2024	20 Oct 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ATTENTION	NORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		16	27	13
Iron	ppm	ASTM D5185m	>200	9	0	4
Chromium	ppm	ASTM D5185m	>15	<1	<1	0
Nickel	ppm	ASTM D5185m	>15	0	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	0	<1
Lead	ppm	ASTM D5185m	>100	<1	0	0
Copper	ppm	ASTM D5185m	>200	0	0	0
Tin	ppm	ASTM D5185m	>25	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		0	0	4
Calcium	ppm	ASTM D5185m		8	0	11
Phosphorus	ppm	ASTM D5185m		201	0	201
Zinc	ppm	ASTM D5185m		23	0	47
Sulfur	ppm	ASTM D5185m		14371	0	13665
CONTAMINANTS	1	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	5	10	1
Sodium	ppm	ASTM D5185m		1	0	0
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	16894	2326	1076
Particles >6µm		ASTM D7647	>5000	<b>4</b> 9103	340	241
Particles >14μm		ASTM D7647	>640	<b>1658</b>	38	27
Particles >21µm		ASTM D7647	>160	<b>^</b> 329	9	8
Particles >38µm		ASTM D7647	>40	13	2	0
Particles >71μm		ASTM D7647		3	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<u>^</u> 21/20/18	18/16/12	17/15/12



## OIL ANALYSIS REPORT







Certificate 12367

Sample No.

Lab Number : 06182666 Unique Number : 11033992

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PE0003825 Received : 17 May 2024 **Tested** : 22 May 2024

: 22 May 2024 - Don Baldridge Diagnosed Test Package : CONST ( Additional Tests: ICP, KV40, PQ, PrtCount, SCREEN ) 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)

801 FM 694

DALHART, TX US 79022 Contact: JOHN DEVRIES

johnidevries@gmail.com T:

F: Submitted By: ROCHELLE MENDOZA