

# **OIL ANALYSIS REPORT**

Area **9** 

# WINERGY GEARBOX WTG-909 (S/N 4836490-0020-3)

**Hydraulic System** 

SHELL TELLUS 32 (300 LTR)

Sample Rating Trend



### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

The amount and size of particulates present in the system are acceptable. 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 suitable for further service.

May2017 Nov2017 Ju2018 Feb2019 Nov2019 Ju2020 Mar2021 Feb2022 Mar2023						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0804516	WC05504477	WC0547225
Sample Date		Client Info		07 Mar 2023	02 Feb 2022	11 Mar 2021
Machine Age	mths	Client Info		0	66	120
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		18	15	
Iron	ppm	ASTM D5185m	>20	5	5	6
Chromium	ppm	ASTM D5185m	>20	7	8	8
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>20	<1	0	0
Lead	ppm	ASTM D5185m	>20	0	0	<1
Copper	ppm	ASTM D5185m	>20	1	3	3
Tin	ppm	ASTM D5185m	>20	<1	0	<1
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	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		<1	<1	<1
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	11	32	10	3
Calcium	ppm	ASTM D5185m	35	18	24	26
Phosphorus	ppm	ASTM D5185m	259	283	289	266
Zinc	ppm	ASTM D5185m	277	315	291	288
Sulfur	ppm	ASTM D5185m	1865	2197	2305	2403
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	0	<1
Sodium	ppm	ASTM D5185m		2	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.05	0.006	0.009	0.006
ppm Water	ppm	ASTM D6304	>500	66.6	93.5	61.8
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		99	2125	2615
Particles >6µm		ASTM D7647	>5000	32	484	550
Particles >14μm		ASTM D7647	>640	5	61	58
Particles >21μm		ASTM D7647	>160	2	16	17
Particles >38µm		ASTM D7647	>40	0	2	2
Particles >71μm		ASTM D7647	>10	0	0	0
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Certificate L2367

Sample No. Lab Number **Unique Number** 

: WC0804516 : 05857900

: 10492365

Received Diagnosed

: 30 May 2023 Diagnostician Test Package : IND 2 (Additional Tests: KF, PQ)

: Jonathan Hester

STA ANA KM25 CARRETERA AL SUR, A 1KM DEL CRUCE

FRANCISCO MORAZAN, ZZ HN

Contact: SANTOS DEL CID

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T: x: F: x:

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)