

OIL ANALYSIS REPORT

Sample Rating Trend

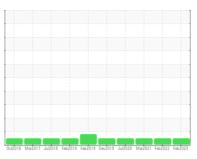
NORMAL

Area 1

WINERGY GEARBOX WTG-103 (S/N 4839491-0020-6)

Hydraulic System

SHELL TELLUS 32 (300 LTR)





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.

CAMPLE INCORM	ATION		017 Jul2018 Feb2019 Feb20			
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0804530	WC05504442	WC0547138
Sample Date		Client Info		27 Feb 2023	26 Feb 2022	01 Mar 2021
Machine Age	mths	Client Info		0	74	120
Oil Age	mths	Client Info		0	5	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		12	16	
Iron	ppm	ASTM D5185m	>20	2	<1	2
Chromium	ppm	ASTM D5185m	>20	8	4	4
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	3	4	4
Tin	ppm	ASTM D5185m	>20	0	0	0
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		0	0	<1
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	11	9	8	5
Calcium	ppm	ASTM D5185m	35	22	25	22
Phosphorus	ppm	ASTM D5185m	259	282	300	284
Zinc	ppm	ASTM D5185m	277	284	291	271
Sulfur	ppm	ASTM D5185m	1865	3889	3256	4296
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	0	0
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.05	0.009	0.005	0.010
ppm Water	ppm	ASTM D6304	>500	97.2	56.5	108.4
FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		626	1701	1229
Particles >6µm		ASTM D7647	>5000	47	298	361
Particles >14μm		ASTM D7647	>640	6	37	31
Particles >21µm		ASTM D7647	>160	1	9	10
Particles >38μm		ASTM D7647	>40	0	1	0
Particles >71μm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/19/16	16/13/10	18/15/12	17/16/12



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Sample No. Lab Number **Unique Number**

: WC0804530 : 05857898 : 10492363

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

Received Diagnosed Diagnostician

: 26 May 2023 : 30 May 2023 : Jonathan Hester Test Package : IND 2 (Additional Tests: KF, PQ)

STA ANA KM25 CARRETERA AL SUR, A 1KM DEL CRUCE FRANCISCO MORAZAN, ZZ HN

> Contact: SANTOS DEL CID sdelcid@dencmi.com

T: x:

* - 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)

F: x: