

OIL ANALYSIS REPORT

WTG-1405

Component **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.

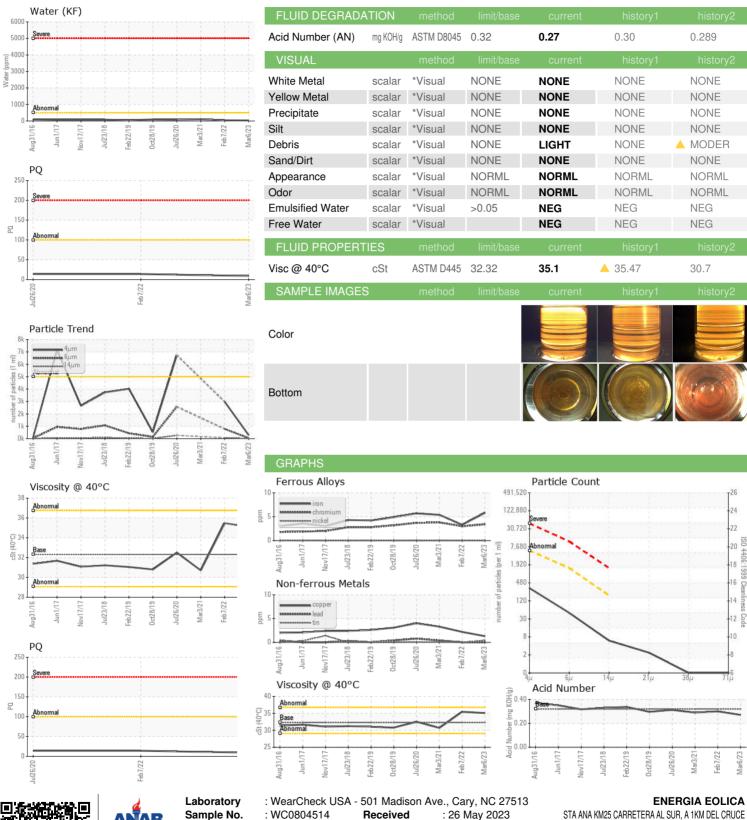
Fluid Condition

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

OAMBI E WEST	ATION			019 Oct2019 Jul2020 Mar2021 Feb2		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0804514	WC05504460	WC0547211
Sample Date		Client Info		06 Mar 2023	07 Feb 2022	03 Mar 2021
Machine Age	mths	Client Info		0	0	120
Oil Age	mths	Client Info		0	5	0
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				NORMAL	MARGINAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		9	14	
Iron	ppm	ASTM D5185m	>20	6	3	5
Chromium	ppm	ASTM D5185m	>20	3	3	4
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>20	<1	0	0
Lead	ppm	ASTM D5185m	>20	0	0	<1
Copper	ppm	ASTM D5185m	>20	1	2	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	0	<1
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	11	12	9	7
Calcium	ppm	ASTM D5185m	35	29	33	25
Phosphorus	ppm	ASTM D5185m	259	293	319	269
Zinc	ppm	ASTM D5185m	277	309	319	260
Sulfur	ppm	ASTM D5185m	1865	3152	2650	3312
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0	<1	0
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
Water	%	ASTM D6304	>0.05	0.003	0.004	0.010
ppm Water	ppm	ASTM D6304	>500	32.5	42.8	107.3
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	280	2973	
Particles >6µm		ASTM D7647	>1300	42	778	
Particles >14μm		ASTM D7647	>160	5	60	
Particles >21µm		ASTM D7647	>40	2	15	
Particles >38µm		ASTM D7647	>10	0	1	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	15/13/10	19/17/13	
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Certificate L2367

Sample No. Lab Number **Unique Number**

: WC0804514

: 05857902 : 10492367

Received : 26 May 2023 Diagnosed : 30 May 2023 Diagnostician Test Package : IND 2 (Additional Tests: KF, PQ)

: Jonathan Hester

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)