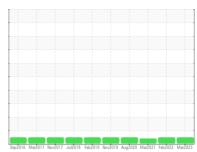


OIL ANALYSIS REPORT

Sample Rating Trend





Area
6
Machine Id
WTG-603
Component

Hydraulic System

SHELL TELLUS 32 (300 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system is acceptable. There is no indication of any contamination in the component.

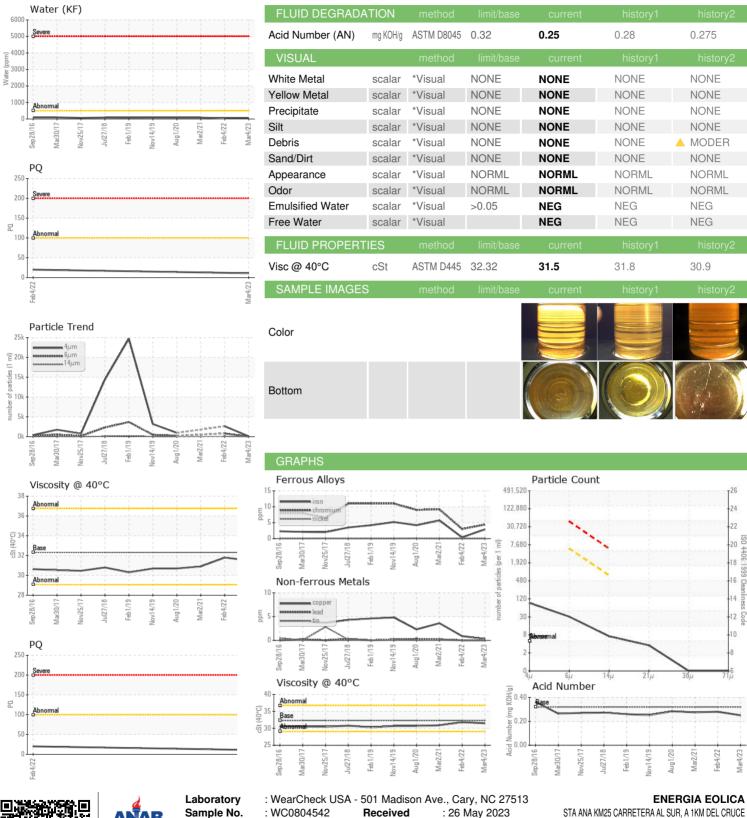
Fluid Condition

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

		Sep 2016 Mar2	017 Nov2017 Jul2018 Feb2	2019 Nov2019 Aug2020 Mar2021 Feb	2022 Mar2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0804542	WC05504426	WC0547180
Sample Date		Client Info		04 Mar 2023	04 Feb 2022	02 Mar 2021
Machine Age	mths	Client Info		0	79	120
Oil Age	mths	Client Info		0	5	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		11	20	
Iron	ppm	ASTM D5185m	>20	3	<1	6
Chromium	ppm	ASTM D5185m	>20	4	3	9
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	<1	4
Tin	ppm	ASTM D5185m	>20	0	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		0	0	<1
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	11	18	12	4
Calcium	ppm	ASTM D5185m	35	25	30	26
Phosphorus	ppm	ASTM D5185m	259	280	289	267
Zinc	ppm	ASTM D5185m	277	319	319	268
Sulfur	ppm	ASTM D5185m	1865	1521	1253	3025
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0	0	<1
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
Water	%	ASTM D6304	>0.05	0.005	0.004	0.008
ppm Water	ppm	ASTM D6304	>500	54.7	43.8	85.8
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		77	2634	
Particles >6µm		ASTM D7647	>5000	27	809	
Particles >14µm		ASTM D7647	>640	6	77	
Particles >21µm		ASTM D7647		3	21	
Particles >38µm		ASTM D7647	>40	0	3	
Particles >71µm		ASTM D7647		0	0	
Oil Cleanliness		ISO 4406 (c)	>/19/16	13/12/10	19/17/13	
		' (5)				



OIL ANALYSIS REPORT







Sample No. Lab Number **Unique Number**

: WC0804542 : 05857886

Received Diagnosed

: 10492351 Diagnostician Test Package : IND 2 (Additional Tests: KF, PQ)

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)

: 30 May 2023 : Jonathan Hester

Contact/Location: SANTOS DEL CID - ENEFRA

FRANCISCO MORAZAN, ZZ

Contact: SANTOS DEL CID

sdelcid@dencmi.com

HN

T: x:

F: x: