

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL NORMAL

Area 14

HANSEN WTG-1402 (S/N EH806A-003-LM0037)

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 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 Jun2	017 Nov2017 Jul2018 Feb2	019 Oct2019 Jul2020 Mar2021 Feb2	022 May2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0804538	WC05504456	WC0547214
Sample Date		Client Info		25 May 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		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		16	16	
Iron	ppm	ASTM D5185m	>20	4	1	2
Chromium	ppm	ASTM D5185m	>20	2	2	1
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	2	2
Tin	ppm	ASTM D5185m	>20	<1	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	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	11	15	6	4
Calcium	ppm	ASTM D5185m	35	20	24	22
Phosphorus	ppm	ASTM D5185m	259	277	298	267
Zinc	ppm	ASTM D5185m	277	293	296	290
Sulfur	ppm	ASTM D5185m	1865	2775	2423	2308
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	0	0	0
Water	%	ASTM D6304	>0.05	0.005	0.004	0.009
ppm Water	ppm	ASTM D6304	>500	50.8	47.1	94.3
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2

ASTM D7647 >5000

ASTM D7647 >1300

ASTM D7647 >160

ASTM D7647 >40

ASTM D7647 >10

ISO 4406 (c) >19/17/14

ASTM D7647 >3

93

35

6

3

1

0

14/12/10

Particles >4µm

Particles >6µm

Particles >14µm

Particles >21µm

Particles >38µm

Particles >71µm

Oil Cleanliness

18/16/13

1684

443

47

10

0

18/16/13

1921

569

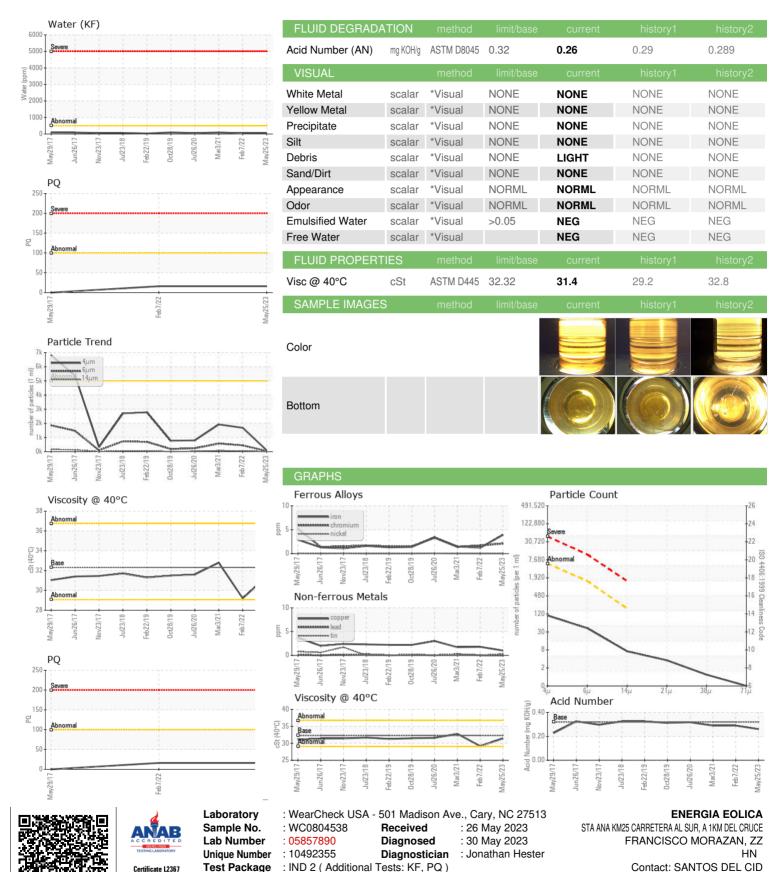
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To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)

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F: x:

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