

OIL ANALYSIS REPORT

Area **ROTH ROCK [200005321]** 13WEA81557

Hydraulic System SHELL TELLUS S4 VX 32 (--- LTR)

Recommendation

Resample at the next service interval to monitor.

Wear

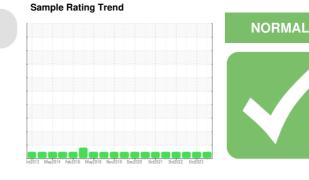
All component wear rates are normal.

Contamination

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

Fluid Condition

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



SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		NX016955	NX013887	NX012924
Sample Date		Client Info		06 May 2024	19 Oct 2023	25 Apr 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		16	16	13
Iron	ppm	ASTM D5185m	>20	7	2	6
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>20	0	0	<1
Titanium	ppm	ASTM D5185m		- <1	0	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	0	<1
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	<1	1	0
Tin	ppm	ASTM D5185m		<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	le le	method	limit/base	current	history1	history2
			IIIIII/Dase			
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	<1	<1
Magnesium	ppm	ASTM D5185m		0	0	8
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		574	549 93	544 99
Zinc	ppm	ASTM D5185m		68		
Sulfur	ppm	ASTM D5185m		881	794	769
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	3	4	3
Sodium	ppm	ASTM D5185m		0	1	<1
Potassium	ppm	ASTM D5185m	>20	0	0	1
Water	%	ASTM D6304	>0.05	0.007	0.006	0.007
ppm Water	ppm	ASTM D6304	>500	78	68	75.8
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	999	2128	2772
Particles >6µm		ASTM D7647	>2500	114	429	366
Particles >14µm		ASTM D7647	>320	4	27	17
Particles >21µm		ASTM D7647	>80	1	8	3
Particles >38µm		ASTM D7647	>20	0	0	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>21/18/15	17/14/9	18/16/12	19/16/11
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.18	0.15	

Report Id: NORROT [WUSCAR] 06182814 (Generated: 05/22/2024 16:08:17) Rev: 1

0.15 0.16 Contact/Location: ADAY MAGEC - NORROT



600

5000

400

300 N 2000

1000

250

200

150

50

25

0

40 38

36

(D°04)

ي تي 32

30

28

26

200

150

50

2 100

PQ 25

eh28/1 /ay21/

Viscosity @ 40°C

2 10

OIL ANALYSIS REPORT

*Visual

*Visual

*Visual

*Visual

*Visual

*Visual

*Visual

*Visual

ASTM D445

NONE

NONE

NONE

NONE

NONE

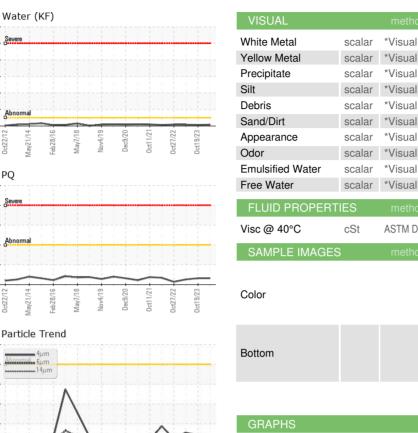
NONE

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NORML

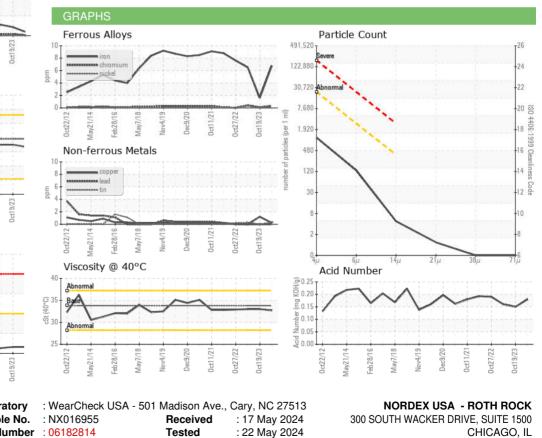
>0.05

33.8



0ct27/22

0ct27/22





Laboratory Sample No. Lab Number Tested : 22 May 2024 :06182814 Diagnosed Unique Number : 11034140 : 22 May 2024 - Don Baldridge Test Package : IND 2 (Additional Tests: KF, PQ) Contact: ADAY MAGEC Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. aday.magec@gestampren.com * - 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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Contact/Location: ADAY MAGEC - NORROT

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

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33.0

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32.7

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