

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Area BLACKJACK CREEK [200007682] WEA88424 - H-01

Hydraulic System SHELL TELLUS S2 VX 32 (--- LTR)

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.

SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		NX015617		
Sample Date		Client Info		16 Apr 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		13		
Iron	ppm	ASTM D5185m	>20	2		
Chromium	ppm	ASTM D5185m	>20	4		
Nickel	ppm	ASTM D5185m	>20	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	2		
Lead	ppm	ASTM D5185m	>20	1		
Copper	ppm	ASTM D5185m	>20	7		
Tin	ppm	ASTM D5185m	>20	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
	ppin					
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		<1		
Volybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		28		
Phosphorus	ppm	ASTM D5185m		304		
Zinc	ppm	ASTM D5185m		341		
Sulfur	ppm	ASTM D5185m		954		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	2		
Water	%	ASTM D6304	>0.05	0.002		
opm Water	ppm	ASTM D6304	>500	25		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	2673		
Particles >6µm		ASTM D7647		936		
Particles >14µm		ASTM D7647	>320	54		
Particles >21µm		ASTM D7647	>80	5		
Particles >38µm		ASTM D7647	>20	0		
Particles >71µm		ASTM D7647		0		
Oil Cleanliness		ISO 4406 (c)	>21/18/15	- 19/17/13		
		method	limit/base	current	history1	history2
FLUID DEGRADA		memoa	IIIIII/Dase	Current	IIISIOIVI	IIISIOIVZ

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OIL ANALYSIS REPORT

NONE

NONE

NONE

NONE

LIGHT

NONE

NORML

NORML

NEG

NEG

30.1

Particle Count

Acid Number

491,52

122,88

30.72

7.68

480

120

31

^{©0.40}

HOX 0.30

Acid

0.20

0.00

Apr16/24

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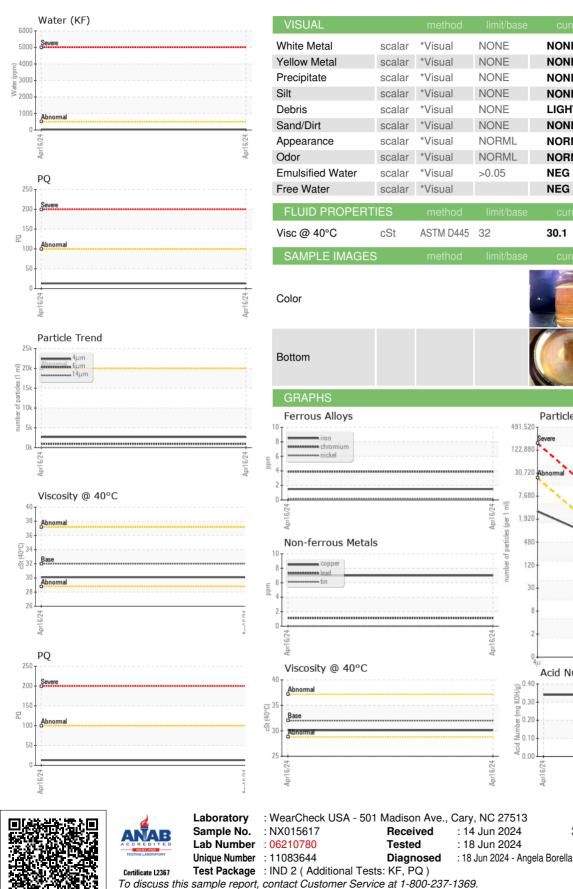
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* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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