

OIL ANALYSIS REPORT

BLACKJACK CREEK [200007683] WEA88410 - A-06

Hydraulic System

SHELL TELLUS S2 VX 32 (--- LTR)





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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.

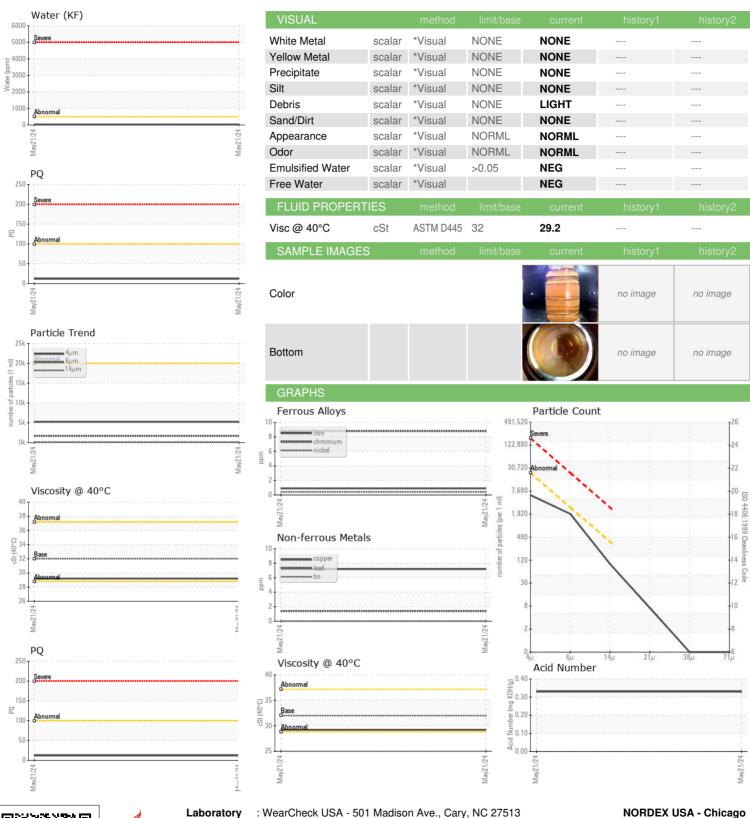
Fluid Condition

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

				May2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
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Sample Number		Client Info		NX015634		
Sample Date	la con	Client Info		21 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A NORMAL		
Sample Status						
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		12		
ron	ppm	ASTM D5185m	>20	<1		
Chromium	ppm	ASTM D5185m	>20	9		
Nickel	ppm	ASTM D5185m	>20	<1		
Γitanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	2		
_ead	ppm	ASTM D5185m	>20	1		
Copper	ppm	ASTM D5185m	>20	7		
īn	ppm	ASTM D5185m	>20	0		
/anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		<1		
Nolybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
/lagnesium	ppm	ASTM D5185m		5		
Calcium	ppm	ASTM D5185m		22		
Phosphorus	ppm	ASTM D5185m		334		
Zinc	ppm	ASTM D5185m		306		
Sulfur	ppm	ASTM D5185m		828		
CONTAMINANTS	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1		
Sodium	ppm	ASTM D5185m		0		
otassium	ppm	ASTM D5185m	>20	2		
Vater	%	ASTM D6304	>0.05	0.002		
pm Water	ppm	ASTM D6304	>500	23		
FLUID CLEANLII	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	5249		
Particles >6µm		ASTM D7647	>2500	1708		
articles >14µm		ASTM D7647	>320	84		
articles >21µm		ASTM D7647		6		
Particles >38µm		ASTM D7647	>20	0		
Particles >71µm		ASTM D7647		0		
Dil Cleanliness		ISO 4406 (c)	>21/18/15	20/18/14		
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2



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Certificate 12367

Laboratory Sample No.

Lab Number

: NX015634 : 06210778

Unique Number : 11083642 Test Package : IND 2 (Additional Tests: KF, PQ)

Received **Tested**

: 14 Jun 2024 : 18 Jun 2024 Diagnosed

300 SOUTH WACKER DRIVE, SUITE 1500

: 18 Jun 2024 - Angela Borella

Contact: DEVIN LINEHAN DLinehan@nordex-online.com T: (312)386-4124

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - 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) F: (312)386-7102 Contact/Location: DEVIN LINEHAN - NORDEX

CHICAGO, IL

US 60606