

# **OIL ANALYSIS REPORT**

# **BLACKJACK CREEK [200007683]** WEA88445 - L-03

Hydraulic System

SHELL TELLUS S2 VX 32 (--- LTR)





	0		$\overline{}$	0
ΙА	G١	VИ		-

### 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.

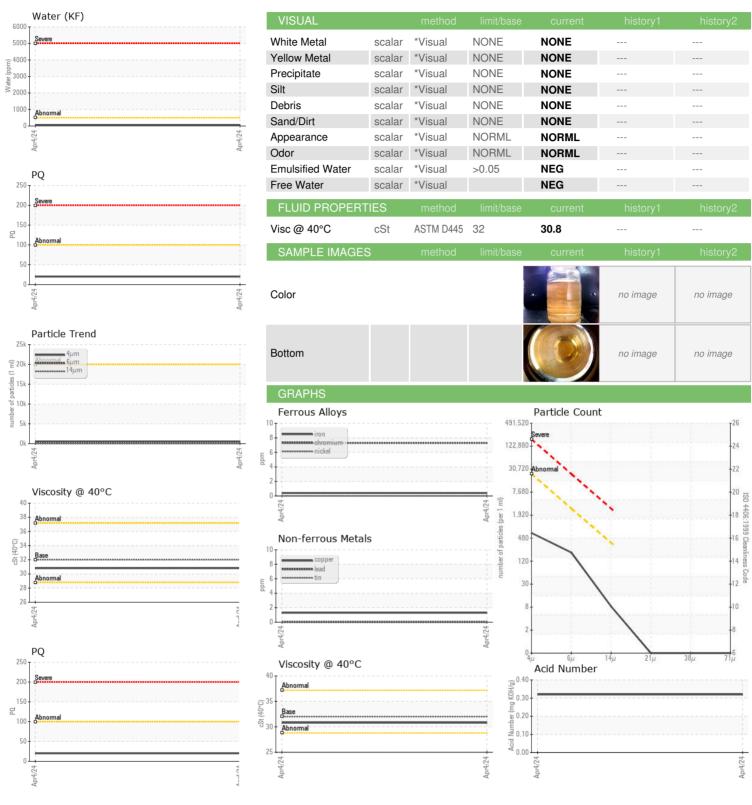
### **Fluid Condition**

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

				Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		NX015721		
Sample Date		Client Info		04 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		20		
Iron	ppm	ASTM D5185m	>20	<1		
Chromium	ppm	ASTM D5185m	>20	7		
Nickel	ppm	ASTM D5185m	>20	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	2		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>20	1		
Tin	ppm	ASTM D5185m	>20	0		
Vanadium	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		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		3		
Calcium	ppm	ASTM D5185m		29		
Phosphorus	ppm	ASTM D5185m		293		
Zinc	ppm	ASTM D5185m		347		
Sulfur	ppm	ASTM D5185m		901		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	1		
Water	%	ASTM D6304	>0.05	0.003		
ppm Water	ppm	ASTM D6304	>500	38		
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	576		
Particles >6µm		ASTM D7647	>2500	178		
Particles >14μm		ASTM D7647	>320	7		
Particles >21μm		ASTM D7647	>80	0		
Particles >38μm		ASTM D7647	>20	0		
Particles >71μm		ASTM D7647	>4	0		
Oil Cleanliness		ISO 4406 (c)	>21/18/15	16/15/10		
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2



## **OIL ANALYSIS REPORT**





Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

: NX015721 Lab Number : 06210779 Unique Number : 11083643

**Tested** Test Package : IND 2 (Additional Tests: KF, PQ)

Received : 14 Jun 2024 : 18 Jun 2024 Diagnosed

: 18 Jun 2024 - Angela Borella

300 SOUTH WACKER DRIVE, SUITE 1500 CHICAGO, IL US 60606

Contact: DEVIN LINEHAN DLinehan@nordex-online.com 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.

T: (312)386-4124 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

Report Id: NORDEX [WUSCAR] 06210779 (Generated: 06/22/2024 03:48:18) Rev: 1

Page 2 of 2

**NORDEX USA - Chicago**