

# **OIL ANALYSIS REPORT**

## Area BLACKJACK CREEK [200007683] 46WEA88430 - L-01 (S/N W-122597)

Hydraulic System

SHELL TELLUS S2 VX 32 (--- LTR)

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

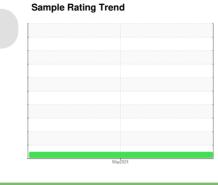
All component wear rates are normal.

#### 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.





NORMAL

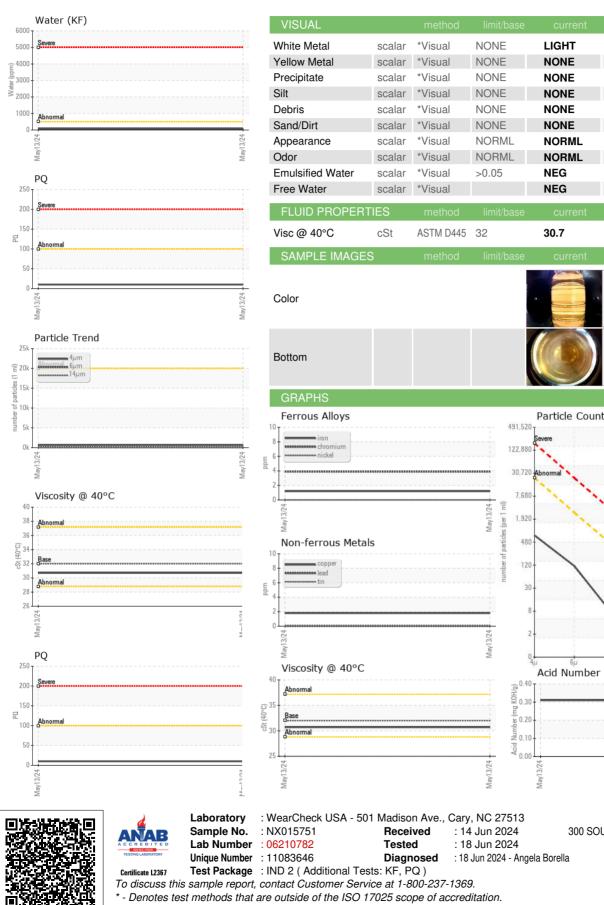
SAMPLE INFORM	<b>MATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		NX015751		
Sample Date		Client Info		13 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		10		
Iron	ppm	ASTM D5185m	>20	1		
Chromium	ppm	ASTM D5185m	>20	4		
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	2		
Tin	ppm	ASTM D5185m	>20	0		
Vanadium	ppm	ASTM D5185m	/ _0	0		
Cadmium	ppm	ASTM D5185m		0		
	ppm		1' ' //	-		
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		6		
Calcium	ppm	ASTM D5185m		28		
Phosphorus	ppm	ASTM D5185m		294		
Zinc	ppm	ASTM D5185m		354		
Sulfur	ppm	ASTM D5185m		907		
CONTAMINANTS	\$	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	14		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	1		
Water	%	ASTM D6304	>0.05	0.007		
ppm Water	ppm	ASTM D6304	>500	71		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	634		
Particles >6µm		ASTM D7647	>2500	101		
Particles >14µm		ASTM D7647	>320	5		
Particles >21µm		ASTM D7647	>80	1		
Particles >38µm		ASTM D7647	>20	0		
Particles >71µm		ASTM D7647	>4	0		
Oil Cleanliness		ISO 4406 (c)	>21/18/15	16/14/10		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

mg KOH/g ASTM D8045 Acid Number (AN)

0.31 Contact/Location: DEVIN LINEHAN - NORDEX



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300 SOUTH WACKER DRIVE, SUITE 1500 CHICAGO, IL US 60606 Contact: DEVIN LINEHAN DLinehan@nordex-online.com T: (312)386-4124 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (312)386-7102

**NORDEX USA - Chicago** 

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