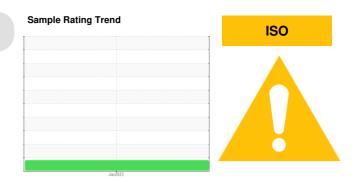


PROBLEM SUMMARY

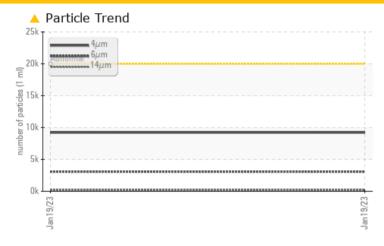
BLACKJACK CREEK [200007683] 38WEA88440 - J-03 (S/N GME004427A-19)

Hydraulic System

SHELL TELLUS S2 VX 32 (--- LTR)



COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST	T RESULTS			
Sample Status			ATTENTION	
Particles >6µm	ASTM D7647	>2500	△ 3080	
Oil Cleanliness	ISO 4406 (c)	>21/18/15	20/19/15	

Customer Id: NORDEX Sample No.: NX011597 Lab Number: 05757216 Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 dougb@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

ISO

BLACKJACK CREEK [200007683] Machine Id 38WEA88440 - J-03 (S/N GME004427A-19)

Component

Hydraulic System

SHELL TELLUS S2 VX 32 (--- LTR)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

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

VIEUU442 <i>i A</i>	-19)					
				Jan 2023		
SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		NX011597		
Sample Date		Client Info		19 Jan 2023		
Machine Age	hrs	Client Info		2160		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ATTENTION		
WEAR METALS		method	limit/base	current	history 1	history 2
PQ		ASTM D8184		7		
Iron	ppm	ASTM D5185m	>20	0		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>20	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	0		
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	history 1	history 2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		12		
Calcium	ppm	ASTM D5185m		17		
Phosphorus	ppm	ASTM D5185m		333		
Zinc	ppm	ASTM D5185m		215		
Sulfur	ppm	ASTM D5185m		537		
CONTAMINANTS	;	method	limit/base	current	history 1	history 2
Silicon	mag	ASTM D5185m	>15	~1		

CONTAMINANTS		method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>15	<1		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304	>0.05	0.005		
ppm Water	ppm	ASTM D6304	>500	58.1		
FLUID CLEANLIN	ESS	method	limit/base	current	history 1	history 2
Particles >4µm		ASTM D7647	>20000	9209		
Particles >4μm Particles >6μm		ASTM D7647 ASTM D7647	>20000 >2500	9209 <u> </u>		
·						
Particles >6µm		ASTM D7647	>2500	△ 3080		
Particles >6μm Particles >14μm		ASTM D7647 ASTM D7647	>2500 >320	△ 3080 206		
Particles >6μm Particles >14μm Particles >21μm		ASTM D7647 ASTM D7647 ASTM D7647	>2500 // >320 >80	△ 3080 206 28		
Particles >6μm Particles >14μm Particles >21μm Particles >38μm		ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>2500 >320 >80 >20	▲ 3080 206 28 2		

Acid Number (AN)

mg KOH/g ASTM D8045

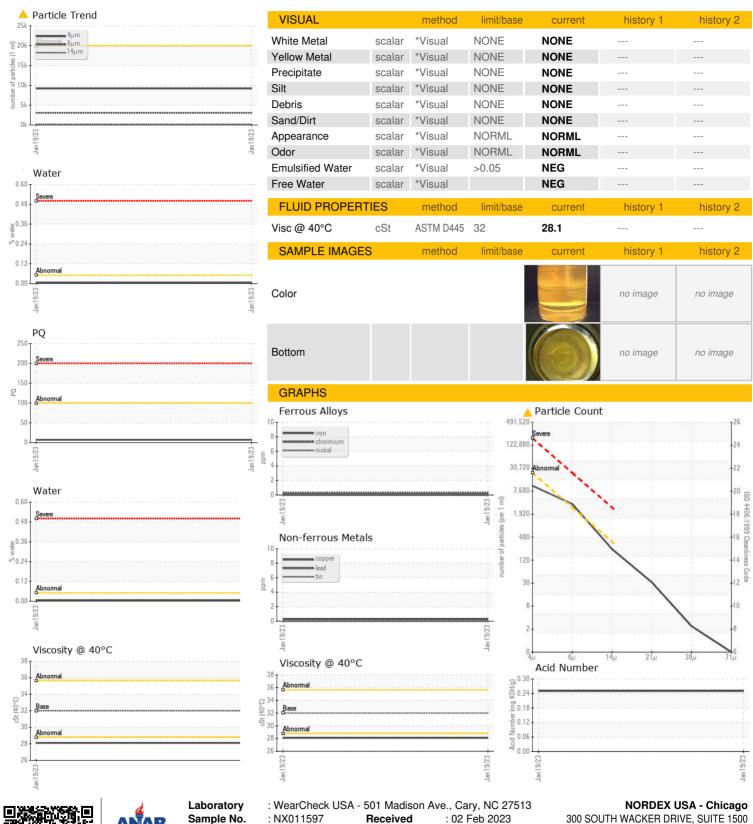
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Report Id: NORDEX [WUSCAR] 05757216 (Generated: 06/30/2023 09:33:52) Rev: 1

Contact/Location: DEVIN LINEHAN - NORDEX



OIL ANALYSIS REPORT





Certificate L2367

Sample No. Lab Number **Unique Number**

: 05757216

: 10321823

Received Diagnosed Diagnostician

: 03 Feb 2023 : Doug Bogart

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

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)

CHICAGO, IL

US 60606 Contact: DEVIN LINEHAN

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

F: (312)386-7102

Contact/Location: DEVIN LINEHAN - NORDEX