

OIL ANALYSIS REPORT

Area BLACKJACK CREEK [200007683] 18WEA88412 - D-03 (S/N HR002768-10004)

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.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



Sample Rating Trend



SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		NX015748	NX011568	
Sample Date		Client Info		16 May 2024	27 Jan 2023	
Machine Age	hrs	Client Info		0	1547	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		16	10	
Iron	ppm	ASTM D5185m	>20	<1	<1	
Chromium	ppm	ASTM D5185m	>20	3	<1	
Nickel	ppm	ASTM D5185m	>20	0	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>20	2	0	
Lead	ppm	ASTM D5185m	>20	1	0	
Copper	ppm	ASTM D5185m	>20	4	2	
Tin	ppm	ASTM D5185m	>20	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
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ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		1	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m		<1	0	
Calcium	ppm	ASTM D5185m		22	35	
Phosphorus	ppm	ASTM D5185m		325	255	
Zinc	ppm	ASTM D5185m		300	298	
Sulfur	ppm	ASTM D5185m		858	797	
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	
Sodium	ppm	ASTM D5185m		0	<1	
Potassium	ppm	ASTM D5185m	>20	2	0	
Water	%	ASTM D6304	>0.05	0.005	0.007	
ppm Water	ppm	ASTM D6304	>500	50	70.8	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	2800	A 20725	
Particles >6µm		ASTM D7647	>2500	911	▲ 5588	
Particles >14µm		ASTM D7647	>320	37	212	
Particles >21µm		ASTM D7647	>80	4	19	
Particles >38µm		ASTM D7647	>20	0	0	
Particles >71µm		ASTM D7647	>4	0	0	
Oil Cleanliness		ISO 4406 (c)	>21/18/15	19/17/12	▲ 22/20/15	
FLUID DEGRADA		method	limit/base	current	history1	history2

Acid Number (AN) mg KOH/g ASTM D8045

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0.32 0.25 Contact/Location: DEVIN LINEHAN - NORDEX



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Contact/Location: DEVIN LINEHAN - NORDEX

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