

OIL ANALYSIS REPORT

BLACKJACK CREEK [700007683] 29WEA88427 - H-04 (S/N W-122589)



Sample Rating Trend



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Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a high 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 acceptable for the time in

			Jan 2023	Jan2024	<u> </u>	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		NX015707	NX011586	
Sample Date		Client Info		09 Jan 2024	26 Jan 2023	
Machine Age	hrs	Client Info		0	1873	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>80	15	14	
Iron	ppm	ASTM D5185m	>150	39	24	
Chromium	ppm	ASTM D5185m	>5	0	0	
Nickel	ppm	ASTM D5185m	>10	0	0	
Titanium	ppm	ASTM D5185m	>10	0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>10	0	0	
Lead	ppm	ASTM D5185m	>20	2	<1	
Copper	ppm	ASTM D5185m	>50	<1	<1	
Tin	ppm	ASTM D5185m	>3	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		3	4	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m		0	0	
Calcium	ppm	ASTM D5185m		9	18	
Phosphorus	ppm	ASTM D5185m		188	206	
Zinc	ppm	ASTM D5185m		0	0	
Sulfur	ppm	ASTM D5185m		4936	5436	
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	12	8	
Sodium	ppm	ASTM D5185m	>20	2	2	
Potassium	ppm	ASTM D5185m	>20	0	0	
Water	%	ASTM D6304	>0.05	0.005	0.008	
ppm Water	ppm	ASTM D6304	>500	59	80.1	
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		45329	117375	
Particles >6μm		ASTM D7647	>2500	6785	<u>^</u> 29925	
Particles >14µm		ASTM D7647	>320	100	△ 509	
Particles >21μm		ASTM D7647	>80	13	△ 57	
Particles >38µm		ASTM D7647	>20	1	A 3	
Particles >71µm		ASTM D7647	>4	0	0	
Oil Cleanliness		ISO 4406 (c)	>/18/15	23/20/14	<u>4</u> 24/22/16	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2



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Certificate L2367

Sample No. Lab Number **Unique Number**

: NX015707 : 06073851

: 10855942

Recieved : 30 Jan 2024 Diagnosed

: 31 Jan 2024

Diagnostician : Don Baldridge

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

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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)