

OIL ANALYSIS REPORT

Area **South Molding** Press 14 Gear Unit

Fluid PETRO CANADA (--- GAL)

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. 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 suitable for further service.

Sample Rating Trend



NORMAL

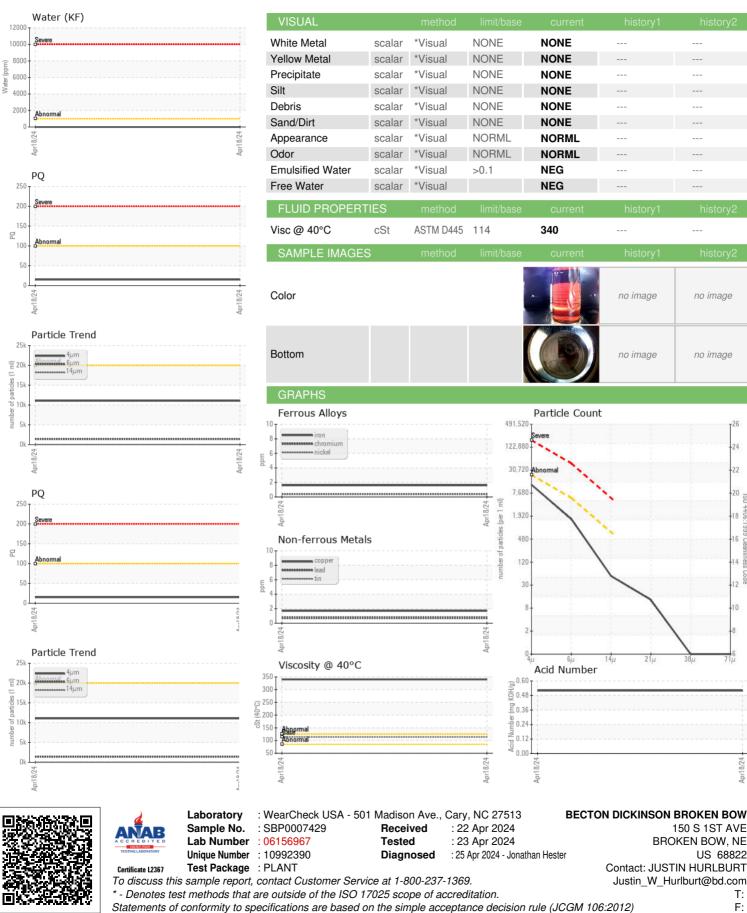
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP0007429		
Sample Date		Client Info		18 Apr 2024		
Machine Age	yrs	Client Info		0		
Oil Age	yrs	Client Info		6		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		15		
Iron	ppm	ASTM D5185m	>150	2		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>25	3		
Lead	ppm	ASTM D5185m	>100	<1		
Copper	ppm	ASTM D5185m	>50	2		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
					Thistory I	TIISTOL ÀZ
Boron	ppm	ASTM D5185m	42	1		
Barium	ppm	ASTM D5185m	0.0	0		
Molybdenum	ppm	ASTM D5185m	0.0	<1		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	235	<1		
Calcium	ppm	ASTM D5185m	346	0		
Phosphorus	ppm	ASTM D5185m	309	268		
Zinc	ppm	ASTM D5185m	364	0		
Sulfur	ppm	ASTM D5185m	1370	5588		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	9		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	2		
Water	%	ASTM D6304	>0.1	0.00		
ppm Water	ppm	ASTM D6304	>1000	0		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	11062		
Particles >6µm		ASTM D7647	>5000	1416		
Particles >14µm		ASTM D7647	>640	46		
Particles >21µm		ASTM D7647	>160	11		
Particles >38µm		ASTM D7647	>40	0		
Particles >71µm		ASTM D7647	>10	0		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	21/18/13		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.52		

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Submitted By: JUSTIN HURLBURT Page 1 of 2



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Page 2 of 2

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BROKEN BOW, NE