

OIL ANALYSIS REPORT

Pickle Line [Pickle Line] 545010-SBRKR ENT BRDL ROLL # 2 Component Gearbox

PETRO CANADA ENDURATEX EP 220 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

Fluic

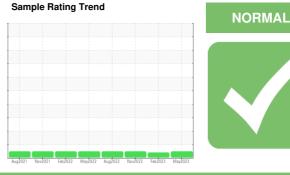
All component wear rates are normal.

Contamination

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.

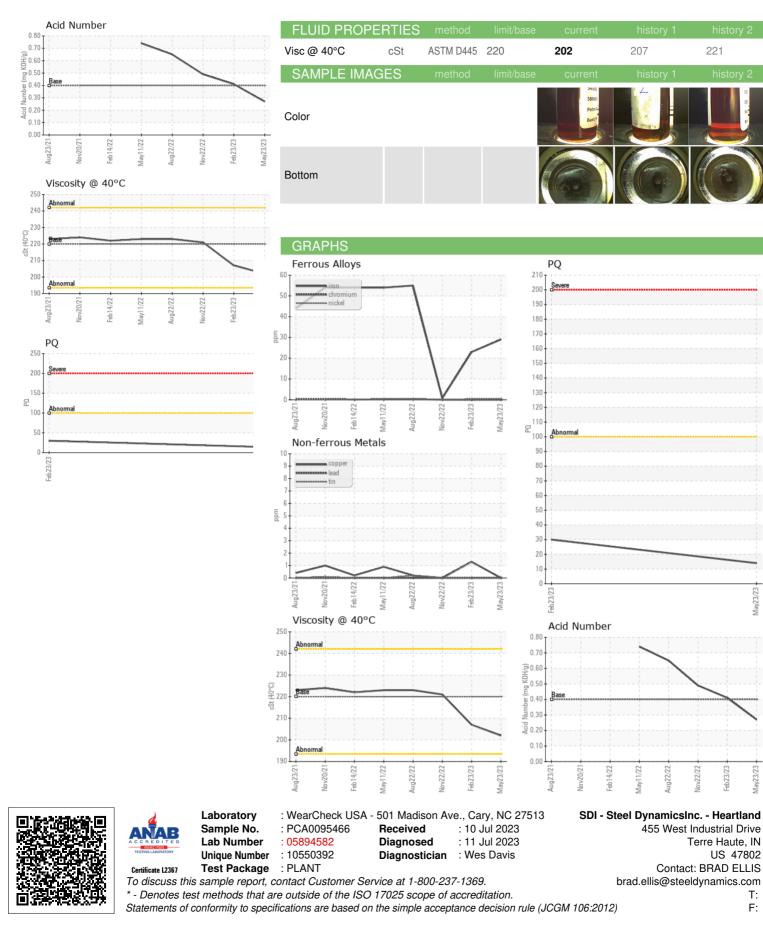




SAMPLE INFORM	IATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		PCA0095466	PCA0089501	PCA0081706
Sample Date		Client Info		23 May 2023	23 Feb 2023	22 Nov 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	ABNORMAL	NORMAL
WEAR METALS	6	method	limit/base	current	history 1	history 2
PQ		ASTM D8184		14	30	
Iron	ppm	ASTM D5185m	>200	29	23	<1
Chromium	ppm	ASTM D5185m	>15	0	0	0
Nickel	ppm	ASTM D5185m	>15	<1	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	0
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	0	1	0
Tin	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	60	4	5	68
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	<1	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	0	0	<1	<1
Calcium	ppm	ASTM D5185m		2	12	<1
Phosphorus	ppm	ASTM D5185m	270	127	266	249
Zinc	ppm	ASTM D5185m		1	15	6
Sulfur	ppm	ASTM D5185m	11200	7941	10910	7289
CONTAMINAN	ΓS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>50	6	18	4
Sodium	ppm	ASTM D5185m		<1	1	0
Potassium	ppm	ASTM D5185m	>20	2	<1	0
FLUID DEGRAD	ATION	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.40	0.27	0.41	0.49
VISUAL		method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	A MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	000.00					
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Odor Emulsified Water			NORML >0.2		NORML NEG	NORML NEG



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Contact/Location: BRAD ELLIS - SDITER

CIECINE

Aav23/23