

Temper Mill

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL





PETRO CANADA ENDURATEX EP 220 (---

Gearbox

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

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

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

GAL)		Nov2021	Feb2022 May2022	Aug 2022 Nov2022 Feb 2023	May2023	
SAMPLE INFOR	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		PCA0095450	PCA0089529	PCA008173
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		N/A	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METAL	.S	method	limit/base	current	history 1	history 2
PQ		ASTM D8184		14	17	
ron	ppm	ASTM D5185m	>200	55	60	102
Chromium	ppm	ASTM D5185m	>15	3	3	3
Nickel	ppm	ASTM D5185m	>15	<1	0	0
Γitanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		<1	0	<1
Aluminum	ppm	ASTM D5185m	>25	1	2	4
Lead	ppm	ASTM D5185m	>100	0	0	<1
Copper	ppm	ASTM D5185m	>200	6	7	15
Tin	ppm	ASTM D5185m	>25	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	3	6
Barium	ppm	ASTM D5185m	0	0	0	1
Molybdenum	ppm	ASTM D5185m	0	<1	0	<1
Manganese	ppm	ASTM D5185m	0	<1	<1	1
Magnesium	ppm	ASTM D5185m	0	0	0	2
Calcium	ppm	ASTM D5185m	0	2	2	10
Phosphorus	ppm	ASTM D5185m	270	204	189	227
Zinc	ppm	ASTM D5185m	0	7	12	19
Sulfur	ppm	ASTM D5185m	11200	14182	12066	13499
CONTAMINAN	ITS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>50	8	9	16
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	3	<1	3
FLUID DEGRAI	DATION	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.40	0.73	0.70	0.80
VISUAL	_	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	LIGHT	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
0-1		4) /' I	NODM	NODIN	NODIA	NODAN

NORML

>0.2

NORML

NEG

NEG

*Visual

*Visual

scalar *Visual

scalar

Odor

Emulsified Water

NORML

NEG

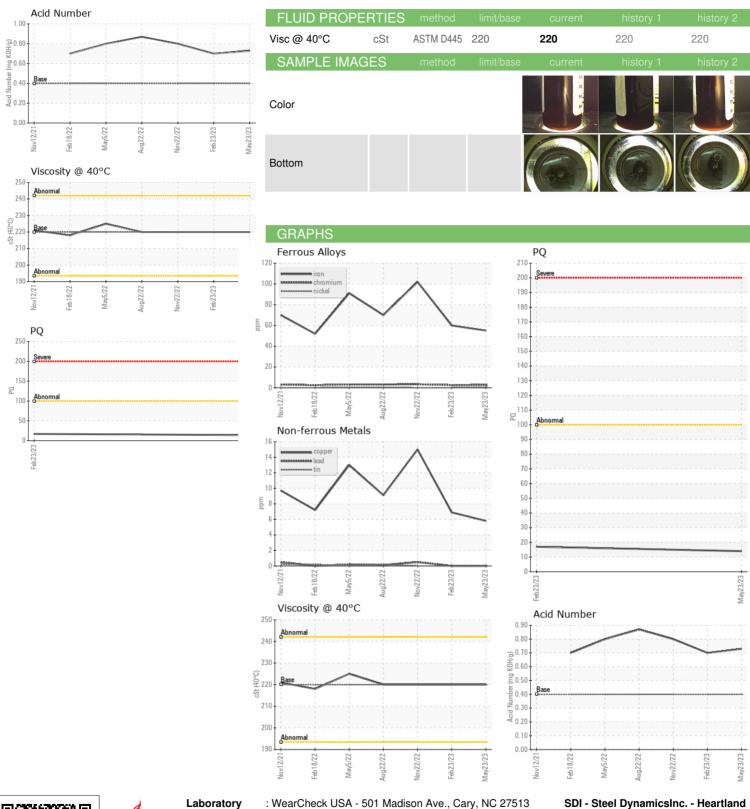
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NORML

NEG



OIL ANALYSIS REPORT





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package : PLANT

: PCA0095450 : 05894571

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

Received : 10 Jul 2023 Diagnosed : 11 Jul 2023 : 10550381 : Wes Davis Diagnostician

SDI - Steel DynamicsInc. - Heartland 455 West Industrial Drive

Terre Haute, IN US 47802 Contact: BRAD ELLIS

brad.ellis@steeldynamics.com

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* - 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)

Report Id: SDITER [WUSCAR] 05894571 (Generated: 07/11/2023 14:33:12) Rev: 1

Contact/Location: BRAD ELLIS - SDITER

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