

OIL ANALYSIS REPORT

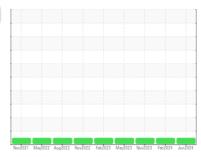
Sample Rating Trend

NORMAL

Galy Line [Galv Line] 670025-B

Bottom 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

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 Ma	y2022 Aug2022 Nov2022	Feb2023 May2023 Nov2023 Feb203	4 Jun2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0117589	PCA0112968	PCA0107699
Sample Date		Client Info		05 Jun 2024	13 Feb 2024	20 Nov 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METAL	.S	method	limit/base	current	history1	history2
PQ		ASTM D8184		31	36	
Iron	ppm	ASTM D5185m	>200	29	27	25
Chromium	ppm	ASTM D5185m	>15	0	0	0
Nickel	ppm	ASTM D5185m	>15	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	<1	0
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	0	0	0
Tin	ppm	ASTM D5185m	>25	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	60	0	5	4
Barium	ppm	ASTM D5185m	0	0	0	<1
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	0	0	<1
Calcium	ppm	ASTM D5185m	0	0	8	10
Phosphorus	ppm	ASTM D5185m	270	290	302	290
Zinc	ppm	ASTM D5185m	0	0	5	2
Sulfur	ppm	ASTM D5185m	11200	12246	10974	10611
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	2	2	<1
Sodium	ppm	ASTM D5185m		<1	<1	0
Potassium	ppm	ASTM D5185m	>20	0	0	0
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
A	1/011/	4 OT14 D00 45	0.40	0 =4	0.4=	0.4=

0.51

Acid Number (AN)

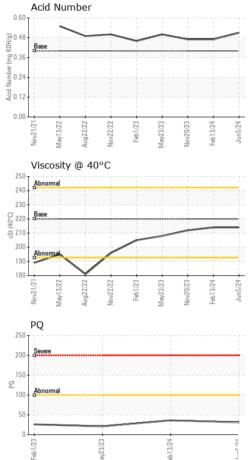
mg KOH/g ASTM D8045 0.40

0.47

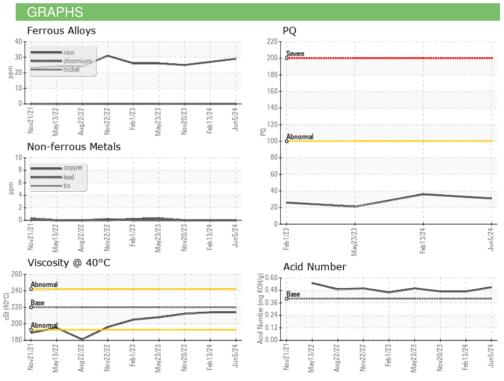
0.47



OIL ANALYSIS REPORT



VISUAL		method				history2
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	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIFS	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	220	214	214	212
SAMPLE IMAG	ES	method	limit/base	current	history1	history2
Color					Co. Fiz. Tra Peri, Gr ²	Carl Cozi Thu Previ







Certificate 12367

Laboratory Sample No.

Lab Number : 06201611 Unique Number : 11063734

Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0117589 Received

: 06 Jun 2024 **Tested** : 07 Jun 2024 Diagnosed

: 07 Jun 2024 - Wes Davis

SDI - Steel DynamicsInc. - Heartland

455 West Industrial Drive Terre Haute, IN US 47802

Contact: BRAD ELLIS brad.ellis@steeldynamics.com

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

Bottom

* - 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] 06201611 (Generated: 06/07/2024 08:34:08) Rev: 1

Contact/Location: BRAD ELLIS - SDITER

T:

F: