

OIL ANALYSIS REPORT

Sample Rating Trend



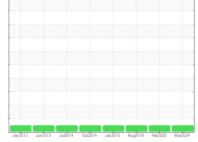
Machine Id

TORQUE MASTER L-14 BASE REDUCTION

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

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)		Jan 2013 J	lun2013 Jul2014 Oct20	14 Jan 2015 Aug 2018 Feb 2020	Mar2024	
SAMPLE INFOR	RMATION	V method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0119622	PCA0012621	PCAI2002696
Sample Date		Client Info		08 Mar 2024	22 Feb 2020	06 Aug 2018
Machine Age	hrs	Client Info		0	0	20048
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINA	TION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METAI	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	<1	2	5
Chromium	ppm	ASTM D5185m	>15	0	0	0
Nickel	ppm	ASTM D5185m	>15	0	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	0	0	<1
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	<1	<1	<1
Tin	ppm	ASTM D5185m	>25	0	<1	0
Antimony	ppm	ASTM D5185m	>5		0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	60	23	31	8
Barium	ppm	ASTM D5185m	0	0	0	2
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	0	0	<1	0
Magnesium	ppm	ASTM D5185m	0	0	<1	<1
Calcium	ppm	ASTM D5185m	0	0	1	2
Phosphorus	ppm	ASTM D5185m	270	390	407	317
Zinc	ppm		0	0	0	4
Sulfur	ppm	ASTM D5185m	11200	6529	5180	4890
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	0	2	1
Sodium	ppm	ASTM D5185m		0	1	1
Potassium	ppm	ASTM D5185m	>20	0	<1	0
FLUID DEGRA	DATION	V method	limit/base	current	history1	history2

Acid Number (AN)

mg KOH/g ASTM D8045 0.40

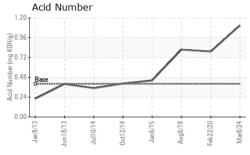
0.792

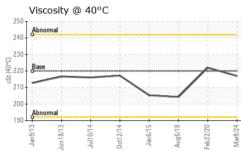
1.11

0.816



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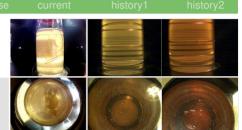
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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	RTIES	method	limit/base	current	history1	history2

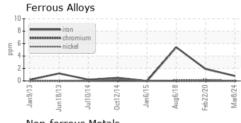
I LOID I ITOI	LITTLE					
Visc @ 40°C	cSt	ASTM D445	220	217	222	204.3

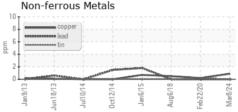
Color

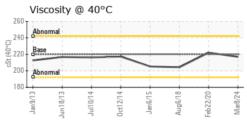
SAMPLE IMAGES

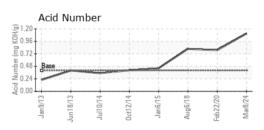
















Certificate L2367

Laboratory Sample No.

Test Package : IND 2

: PCA0119622 Lab Number : 06120263 Unique Number: 10929096

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

: 15 Mar 2024 **Tested** Diagnosed

: 19 Mar 2024 : 19 Mar 2024 - Wes Davis

CERTAINTEED CORP 701 E WASHINGTON ST

JACKSON, MI US 49203 Contact: SIDNEY CHAPPELL

SIDNEY.A.CHAPPELL@SAINT-GOBAIN.COM

F: (517)787-8974

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.

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

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