

OIL ANALYSIS REPORT

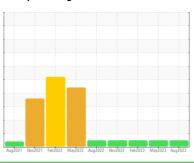
Sample Rating Trend

Pickle Line

[Pickle Line] 580045-CHOPPER KNIFE GB - OPER. SIDE

Non-Drive End 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.

้คมหูปั่น21 Novid021 Feb2022 Mayd022 Augt022 Novid022 Feb2023 Mayd023 Augt023						
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0101455	PCA0095471	PCA0089506
Sample Date		Client Info		22 Aug 2023	23 May 2023	23 Feb 2023
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 METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		12	14	63
Iron	ppm	ASTM D5185m	>200	5	29	46
Chromium	ppm	ASTM D5185m	>15	0	<1	<1
Nickel	ppm	ASTM D5185m	>15	0	<1	<1
	ppm	ASTM D5185m		0	0	<1
	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m	>25	<1	<1	<1
	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m	>200	<1	<1	<1
	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m	720	<1	0	0
		ASTM D5105ml		<1	0	0
	ppm				-	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	60	73	4	60
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	<1	0	0
Calcium	ppm	ASTM D5185m	0	2	3	3
Phosphorus	ppm	ASTM D5185m	270	282	120	264
Zinc	ppm	ASTM D5185m	0	0	2	2
Sulfur	ppm	ASTM D5185m	11200	8170	7822	7379
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	5	6	12
Sodium	ppm	ASTM D5185m		<1	<1	1
Potassium	ppm	ASTM D5185m	>20	1	2	<1
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.40	0.45	0.25	0.39
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
	scalar	*Visual	NORML	NORML	NORML	NORML
	scalar	*Visual	NORML	NORML	NORML	NORML
	scalar	*Visual	>0.2	NEG	NEG	NEG

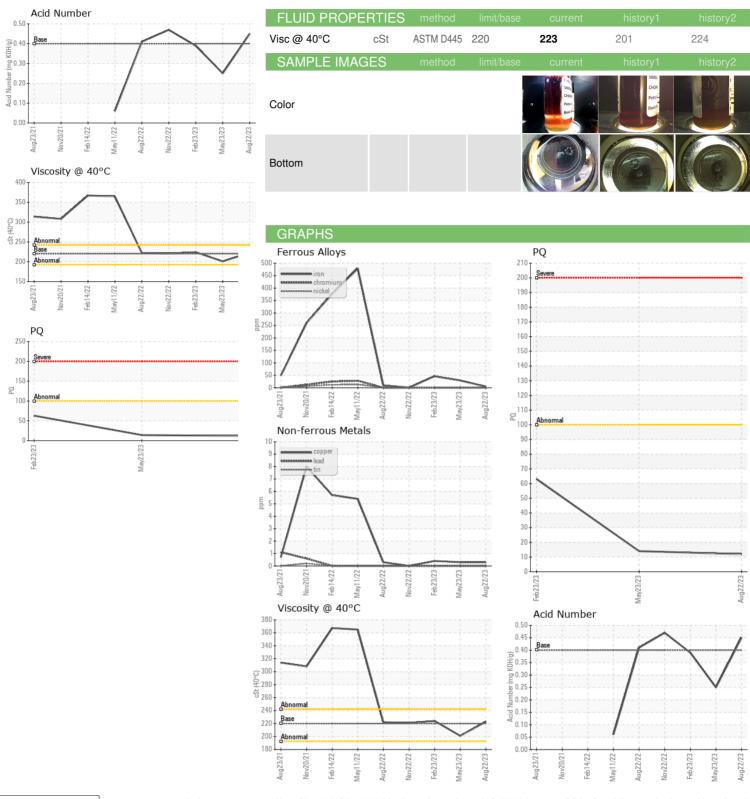
scalar *Visual

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OIL ANALYSIS REPORT





Certificate L2367

Laboratory Sample No. Lab Number

Unique Number

: PCA0101455 : 05932890 : 10618161 Test Package : PLANT

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 23 Aug 2023 : 24 Aug 2023 Diagnosed

: 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)

F: