

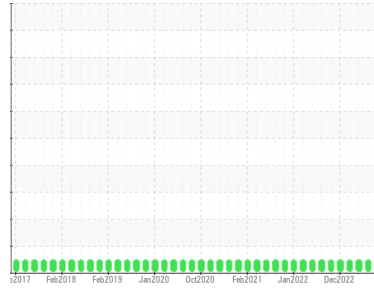
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**TEAM 15**  
Machine Id  
**156100 (S/N CHIP CONVEYOR TO DIGESTER)**  
Component  
**Gearbox**  
Fluid  
**PETRO CANADA SYNDURO SHB ISO150 (11 GAL)**



## DIAGNOSIS

- Recommendation**  
Resample at the next service interval to monitor.
- Wear**  
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 INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PC0069903</b>	PC0070315	PC0070362
Sample Date	Client Info	<b>25 Oct 2023</b>	12 Apr 2023	15 Feb 2023
Machine Age	mths Client Info	<b>0</b>	0	0
Oil Age	mths Client Info	<b>0</b>	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	<b>0</b>	0	0
Iron	ppm ASTM D5185(m) >200	<b>2</b>	2	2
Chromium	ppm ASTM D5185(m) >15	<b>0</b>	0	0
Nickel	ppm ASTM D5185(m) >15	<b>&lt;1</b>	0	<1
Titanium	ppm ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm ASTM D5185(m)	<b>&lt;1</b>	0	0
Aluminum	ppm ASTM D5185(m) >25	<b>0</b>	0	<1
Lead	ppm ASTM D5185(m) >100	<b>0</b>	0	0
Copper	ppm ASTM D5185(m) >200	<b>&lt;1</b>	0	<1
Tin	ppm ASTM D5185(m) >25	<b>0</b>	0	0
Antimony	ppm ASTM D5185(m) >5	<b>0</b>	<1	<1
Vanadium	ppm ASTM D5185(m)	<b>0</b>	0	0
Beryllium	ppm ASTM D5185(m)	<b>0</b>	0	0
Cadmium	ppm ASTM D5185(m)	<b>0</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Barium	ppm ASTM D5185(m) 5.0	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185(m)	<b>0</b>	0	0
Manganese	ppm ASTM D5185(m)	<b>0</b>	0	0
Magnesium	ppm ASTM D5185(m) 5.0	<b>0</b>	0	0
Calcium	ppm ASTM D5185(m) 5.0	<b>&lt;1</b>	0	0
Phosphorus	ppm ASTM D5185(m) 100	<b>78</b>	91	91
Zinc	ppm ASTM D5185(m) 5.0	<b>5</b>	6	6
Sulfur	ppm ASTM D5185(m) 1900	<b>2092</b>	2332	2313
Lithium	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	<1

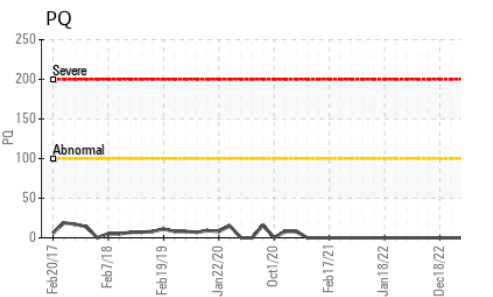
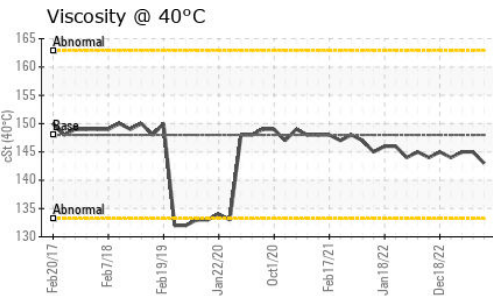
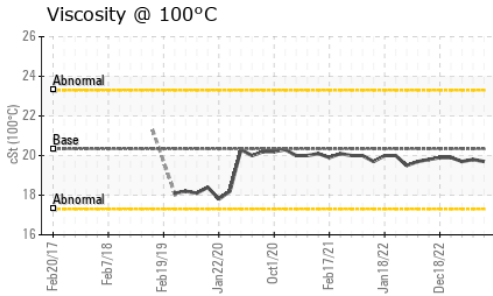
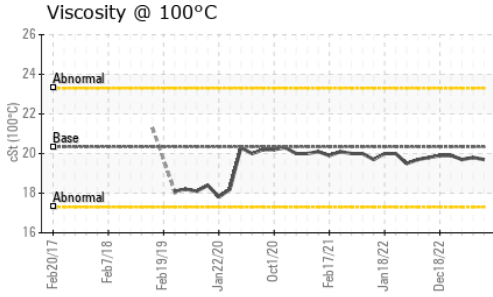
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >50	<b>1</b>	2	1
Sodium	ppm ASTM D5185(m)	<b>0</b>	<1	<1
Potassium	ppm ASTM D5185(m) >20	<b>0</b>	<1	0

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974* 0.3	<b>0.54</b>	0.53	0.45

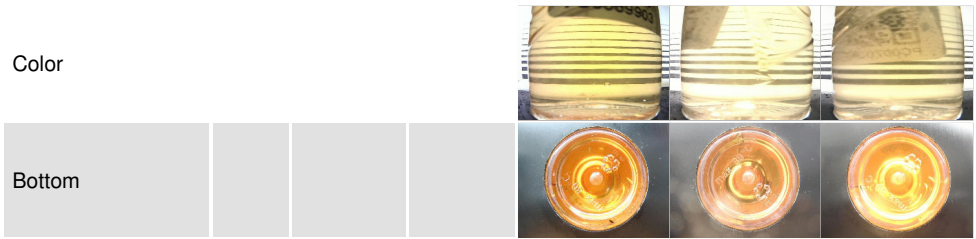
# OIL ANALYSIS REPORT



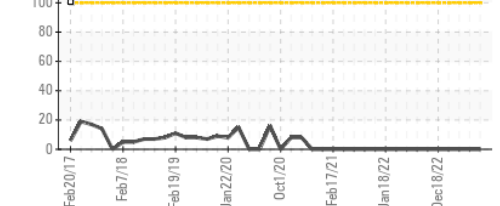
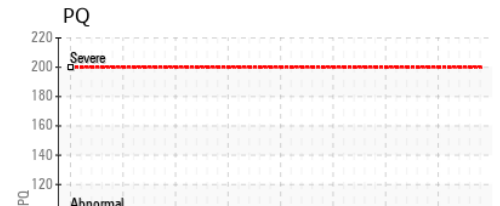
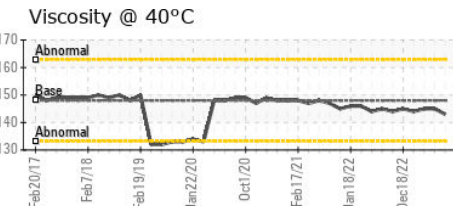
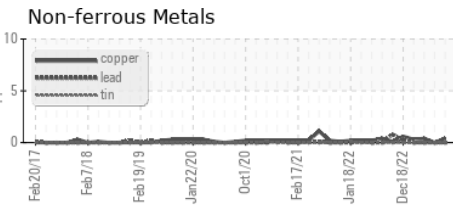
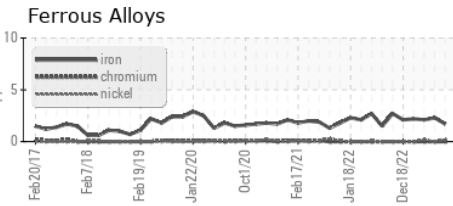
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	148	143	145
Visc @ 100°C	cSt	ASTM D7279(m)	20.34	19.7	19.8
Viscosity Index (VI)	Scale	ASTM D2270*	159	157	156

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0069903 **Received** : 08 Nov 2023  
**Lab Number** : 02595193 **Diagnosed** : 09 Nov 2023  
**Unique Number** : 5672272 **Diagnostician** : Wes Davis  
**Test Package** : IND 2 ( Additional Tests: KV100, TAN Man, VI )

**Dryden Fibre**  
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To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.