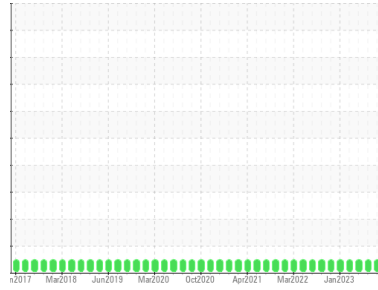


OIL ANALYSIS REPORT

Area
TEAM 15
Machine Id
156109
Component
Gearbox
Fluid
PETRO CANADA ENDURATEX EP 220 (2 GAL)

Sample Rating Trend



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	PC0078818	PC0069898	PC0070323
Sample Date	Client Info	05 Jun 2024	25 Oct 2023	12 Apr 2023
Machine Age	mths Client Info	0	0	0
Oil Age	mths Client Info	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >200	81	24	32
Chromium	ppm ASTM D5185(m) >15	0	0	0
Nickel	ppm ASTM D5185(m) >15	0	<1	0
Titanium	ppm ASTM D5185(m)	0	0	0
Silver	ppm ASTM D5185(m)	0	<1	0
Aluminum	ppm ASTM D5185(m) >25	<1	0	<1
Lead	ppm ASTM D5185(m) >100	0	<1	0
Copper	ppm ASTM D5185(m) >200	6	<1	<1
Tin	ppm ASTM D5185(m) >25	0	0	0
Antimony	ppm ASTM D5185(m) >5	0	0	0
Vanadium	ppm ASTM D5185(m)	0	0	0
Beryllium	ppm ASTM D5185(m)	0	0	0
Cadmium	ppm ASTM D5185(m)	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m) 60	39	43	46
Barium	ppm ASTM D5185(m) 0	0	<1	0
Molybdenum	ppm ASTM D5185(m) 0	0	0	0
Manganese	ppm ASTM D5185(m) 0	<1	0	<1
Magnesium	ppm ASTM D5185(m) 0	1	<1	<1
Calcium	ppm ASTM D5185(m) 0	2	2	<1
Phosphorus	ppm ASTM D5185(m) 270	311	269	285
Zinc	ppm ASTM D5185(m) 0	10	8	4
Sulfur	ppm ASTM D5185(m) 11200	5432	5105	5580
Lithium	ppm ASTM D5185(m)	<1	<1	<1

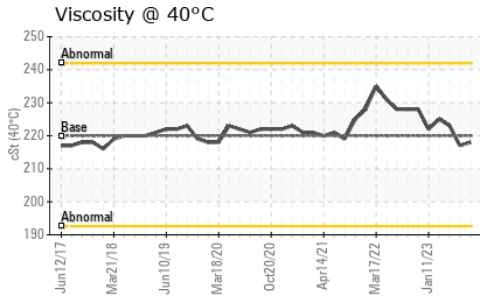
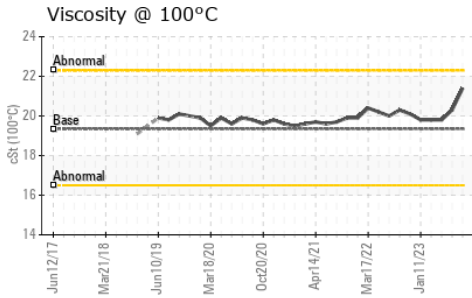
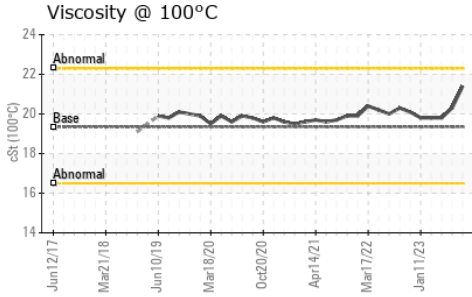
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >50	15	11	9
Sodium	ppm ASTM D5185(m)	2	<1	<1
Potassium	ppm ASTM D5185(m) >20	<1	0	<1

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974* 0.40	0.51	0.46	0.42

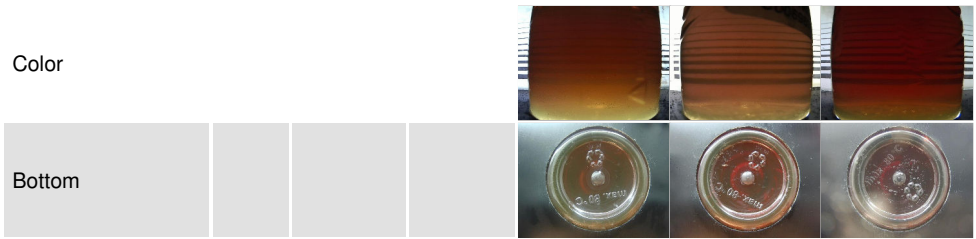
OIL ANALYSIS REPORT



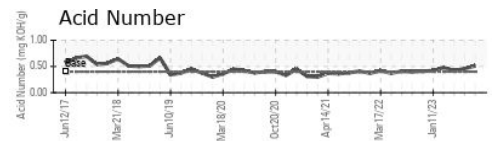
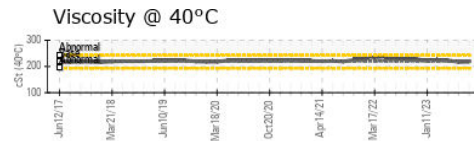
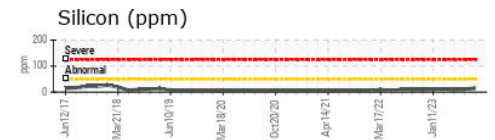
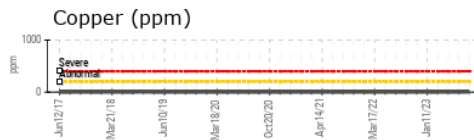
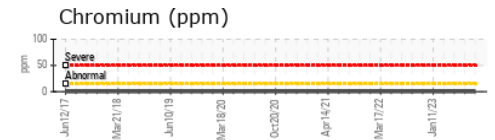
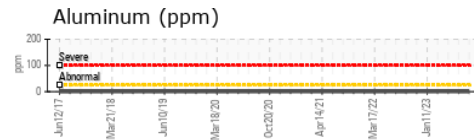
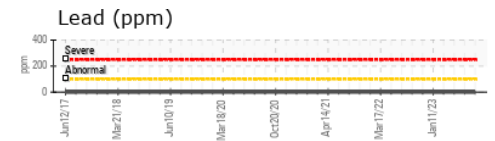
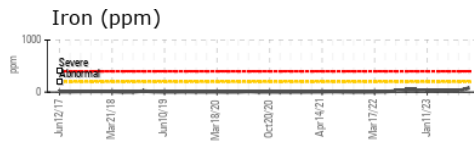
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	VLITE	NONE
Appearance	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)	220	217	223
Visc @ 100°C	cSt	ASTM D7279(m)	19.35	21.4	20.3
Viscosity Index (VI)	Scale	ASTM D2270*	99	117	108

SAMPLE IMAGES



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0078818 **Received** : 13 Jun 2024
Lab Number : **02641822** **Tested** : 13 Jun 2024
Unique Number : 5799361 **Diagnosed** : 13 Jun 2024 - Wes Davis
Test Package : MOB 2 (Additional Tests: KV100, TAN Man, VI)

Dryden Fibre
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 Dryden, ON
 CA P8N 2Z7
 Contact: Adebukola Adekanye
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 T: (807)223-9950
 F: (807)223-9176

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.