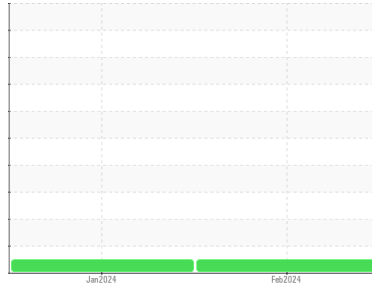


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
PRODURO TO-4 SYNTH

Component
New (Unused) Oil

Fluid
PETRO CANADA PRODURO TO-4 SYNTHETIC ALL SEASON (-- GAL)

DIAGNOSIS

Recommendation

This is the baseline readout on this new (unused) oil. The fluid is suitable for service.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. There is no indication of any contamination in the new (unused) oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PC0080497	PC0080493	---
Sample Date	Client Info		21 Feb 2024	23 Jan 2024	---
Machine Age	hrs	Client Info	0	0	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			NORMAL	NORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method		NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	2	2	---
Chromium	ppm	ASTM D5185(m)	0	0	---
Nickel	ppm	ASTM D5185(m)	0	<1	---
Titanium	ppm	ASTM D5185(m)	0	0	---
Silver	ppm	ASTM D5185(m)	0	0	---
Aluminum	ppm	ASTM D5185(m)	1	1	---
Lead	ppm	ASTM D5185(m)	0	0	---
Copper	ppm	ASTM D5185(m)	0	0	---
Tin	ppm	ASTM D5185(m)	0	0	---
Antimony	ppm	ASTM D5185(m)	0	0	---
Vanadium	ppm	ASTM D5185(m)	0	0	---
Beryllium	ppm	ASTM D5185(m)	0	0	---
Cadmium	ppm	ASTM D5185(m)	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<1	<1	---
Barium	ppm	ASTM D5185(m)	0	0	---
Molybdenum	ppm	ASTM D5185(m)	0	0	---
Manganese	ppm	ASTM D5185(m)	0	0	---
Magnesium	ppm	ASTM D5185(m)	15	16	---
Calcium	ppm	ASTM D5185(m)	2928	2992	---
Phosphorus	ppm	ASTM D5185(m)	977	994	---
Zinc	ppm	ASTM D5185(m)	1132	1156	---
Sulfur	ppm	ASTM D5185(m)	4327	4441	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

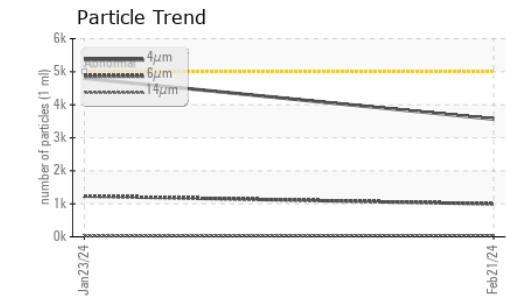
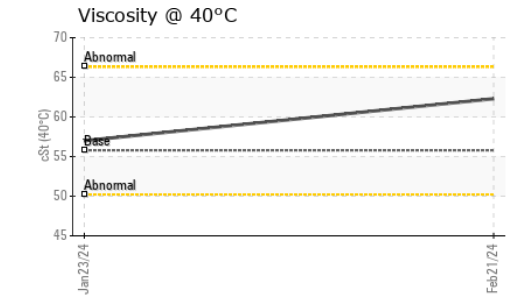
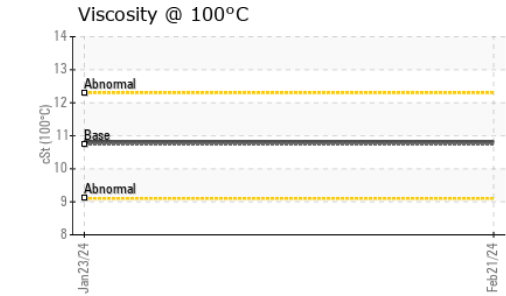
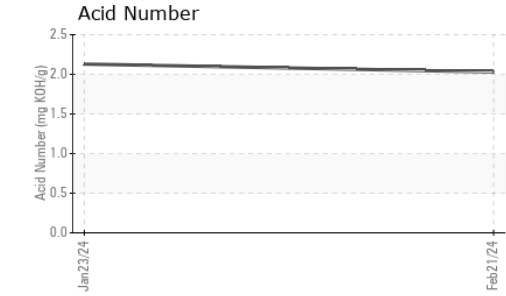
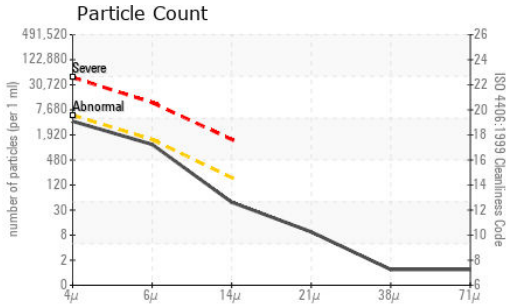
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	7	7	---
Sodium	ppm	ASTM D5185(m)	<1	<1	---
Potassium	ppm	ASTM D5185(m)	1	<1	---

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	0	0	---
Nitration	Abs/cm	ASTM D7624*	3.1	3.1	---
Sulfation	Abs/.1mm	ASTM D7415*	46.5	46.0	---

OIL ANALYSIS REPORT



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0080497
Lab Number : **02617632**
Unique Number : 5734742
Test Package : IND 2 (Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, VI)

Received : 23 Feb 2024
Tested : 26 Feb 2024
Diagnosed : 26 Feb 2024 - Kevin Marson

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.

PETRONOR INC
 2920 RTE 111 EST
 AMOS, QC
 CA J9T 3A1
 Contact: Gaston
 entretien@petronor.ca
 T: (819)732-5334
 F:

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	3567	4799	---	
Particles >6µm	ASTM D7647	>1300	994	1232	---	
Particles >14µm	ASTM D7647	>160	41	25	---	
Particles >21µm	ASTM D7647	>40	8	5	---	
Particles >38µm	ASTM D7647	>10	1	2	---	
Particles >71µm	ASTM D7647	>3	1	1	---	
Oil Cleanliness	ISO 4406 (c)	>19/17/14	19/17/13	19/17/12	---	

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*		33.7	33.4	---
Acid Number (AN)	mg KOH/g	ASTM D974*		2.03	2.13	---

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*		NEG	NEG	---
Free Water	scalar	Visual*		NEG	NEG	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D2729(m)	55.79	62.3	57.0	---
Visc @ 100°C	cSt	ASTM D2729(m)	10.74	10.8	10.8	---
Viscosity Index (VI)	Scale	ASTM D2270*	187	165	183	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						no image
Bottom						no image

