

PROBLEM SUMMARY

Sample Rating Trend



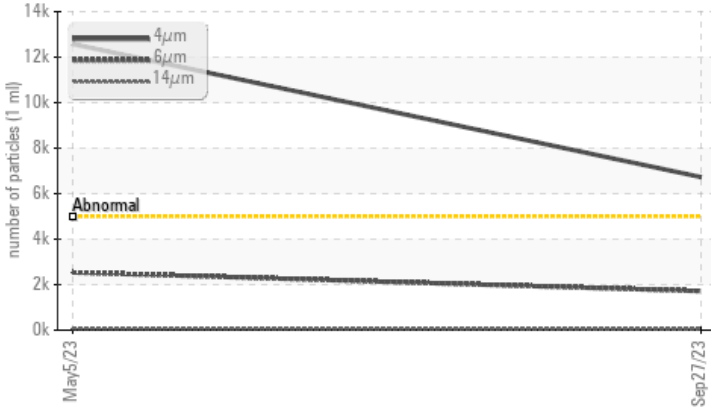
ISO



Machine Id
#4
Component
New (Unused) Oil
Fluid
PETRO CANADA TRAXON E SYNTHETIC 80W140 (--- LTR)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

This is the baseline readout on this new (unused) oil. The fluid is suitable for service. Resample at the next service interval to monitor. NOTE: New oils are not generally filtered or guaranteed to a certain cleanliness code. We advise that you verify the target cleanliness code for your application and recommend the use of a portable filter cart to fill any system with a target code below the ISO cleanliness code of this product.

PROBLEMATIC TEST RESULTS

Sample Status			ATTENTION	ABNORMAL	---
Particles >4µm	ASTM D7647	>5000	▲ 6728	▲ 12576	---
Particles >6µm	ASTM D7647	>1300	▲ 1716	▲ 2536	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 20/18/13	▲ 21/19/13	---

Customer Id: PROAMO
Sample No.: PC0080888
Lab Number: 02586748
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
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RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Alert	---	---	?	NOTE: New oils are not generally filtered or guaranteed to a certain cleanliness code. We advise that you verify the target cleanliness code for your application and recommend the use of a portable filter cart to fill any system with a target code below the ISO cleanliness code of this product.

HISTORICAL DIAGNOSIS

05 May 2023 Diag: Kevin Marson

ISO



This is the baseline readout on this new (unused) oil. The fluid is suitable for service. We recommend an early resample to monitor this condition. NOTE: New oils are not generally filtered or guaranteed to a certain cleanliness code. We advise that you verify the target cleanliness code for your application and recommend the use of a portable filter cart to fill any system with a target code below the ISO cleanliness code of this product. {not applicable} There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for service. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

view report





Machine Id

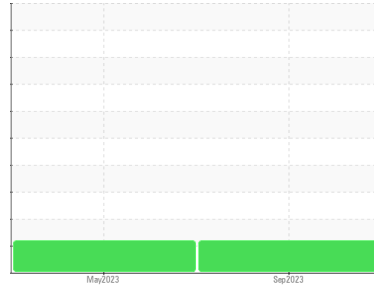
#4

Component

New (Unused) Oil

Fluid

PETRO CANADA TRAXON E SYNTHETIC 80W/140 (--- LTR)



DIAGNOSIS

Recommendation

This is the baseline readout on this new (unused) oil. The fluid is suitable for service. Resample at the next service interval to monitor. NOTE: New oils are not generally filtered or guaranteed to a certain cleanliness code. We advise that you verify the target cleanliness code for your application and recommend the use of a portable filter cart to fill any system with a target code below the ISO cleanliness code of this product.

Wear

{not applicable}

Contamination

There is a light amount of silt (particulates < 14 microns in size) present in the 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	PC0080888	PC0076071	---
Sample Date	Client Info	27 Sep 2023	05 May 2023	---
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	N/A	N/A	---
Sample Status		ATTENTION	ABNORMAL	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	<1	<1
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)	<1	0
Aluminum	ppm	ASTM D5185(m)	<1	<1
Lead	ppm	ASTM D5185(m)	0	0
Copper	ppm	ASTM D5185(m)	<1	0
Tin	ppm	ASTM D5185(m)	0	0
Antimony	ppm	ASTM D5185(m)	0	<1
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)	202	205
Barium	ppm	ASTM D5185(m)	<1	<1
Molybdenum	ppm	ASTM D5185(m)		0
Manganese	ppm	ASTM D5185(m)		0
Magnesium	ppm	ASTM D5185(m)	<1	1
Calcium	ppm	ASTM D5185(m)		57
Phosphorus	ppm	ASTM D5185(m)	1209	1188
Zinc	ppm	ASTM D5185(m)	1	27
Sulfur	ppm	ASTM D5185(m)	20439	19735
Lithium	ppm	ASTM D5185(m)		<1

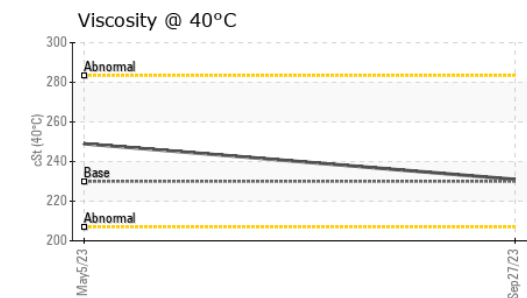
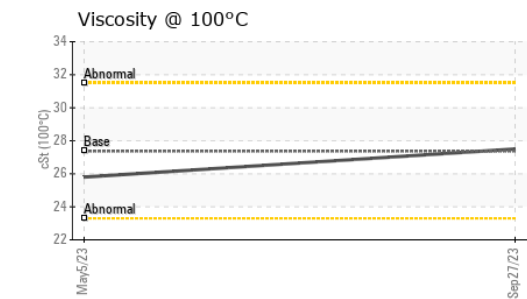
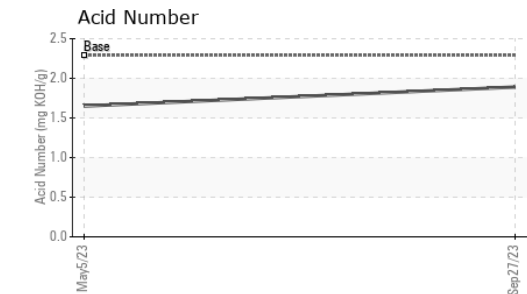
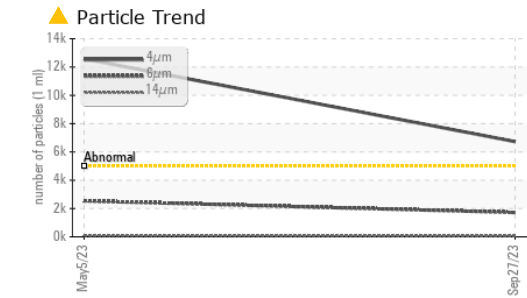
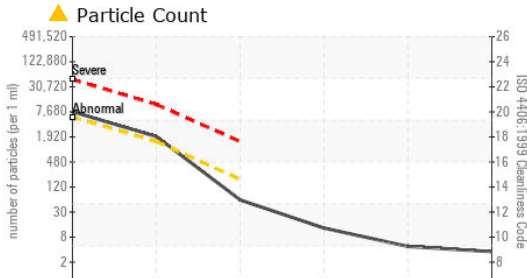
CONTAMINANTS

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

INFRA-RED

method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0
Nitration	Abs/cm	ASTM D7624*		3.4
Sulfation	Abs/.1mm	ASTM D7415*		112.6

OIL ANALYSIS REPORT







FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	▲ 6728	▲ 12576	---
Particles >6µm	ASTM D7647	>1300	▲ 1716	▲ 2536	---
Particles >14µm	ASTM D7647	>160	52	79	---
Particles >21µm	ASTM D7647	>40	11	14	---
Particles >38µm	ASTM D7647	>10	4	0	---
Particles >71µm	ASTM D7647	>3	3	0	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 20/18/13	▲ 21/19/13	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	98.6	5.7	---
Acid Number (AN)	mg KOH/g	ASTM D974*	1.89	1.65	---

VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	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 D7279(m)	231	249	---
Visc @ 100°C	cSt	ASTM D7279(m)	27.5	25.8	---
Viscosity Index (VI)	Scale	ASTM D2270*	154	133	---

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



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0080888 **Received** : 04 Oct 2023
Lab Number : **02586748** **Diagnosed** : 05 Oct 2023
Unique Number : 5655814 **Diagnostician** : Kevin Marson
Test Package : IND 2 (Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, TAN Man, VI)

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.

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