



OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area

unassigned

Machine Id
TURBOFLO XL 32

Component
Reference New (Unused) Oil

Fluid
PETRO CANADA TURBOFLO XL32 (--- 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	WC943382	---	---
Sample Date	Client Info	13 Jun 2024	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		NORMAL	---	---

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	0	---	---
Iron	ppm ASTM D5185(m) >5	0	---	---
Chromium	ppm ASTM D5185(m) >5	0	---	---
Nickel	ppm ASTM D5185(m) >5	0	---	---
Titanium	ppm ASTM D5185(m)	0	---	---
Silver	ppm ASTM D5185(m) >5	0	---	---
Aluminum	ppm ASTM D5185(m) >5	0	---	---
Lead	ppm ASTM D5185(m) >5	0	---	---
Copper	ppm ASTM D5185(m) >5	0	---	---
Tin	ppm ASTM D5185(m) >5	0	---	---
Antimony	ppm ASTM D5185(m)	0	---	---
Vanadium	ppm ASTM D5185(m)	0	---	---
Beryllium	ppm ASTM D5185(m)	0	---	---
Cadmium	ppm ASTM D5185(m)	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m) 0	0	---	---
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) 0	<1	---	---
Calcium	ppm ASTM D5185(m) 0	0	---	---
Phosphorus	ppm ASTM D5185(m) 5	<1	---	---
Zinc	ppm ASTM D5185(m) 0	<1	---	---
Sulfur	ppm ASTM D5185(m) 750	633	---	---
Lithium	ppm ASTM D5185(m)	<1	---	---

CONTAMINANTS

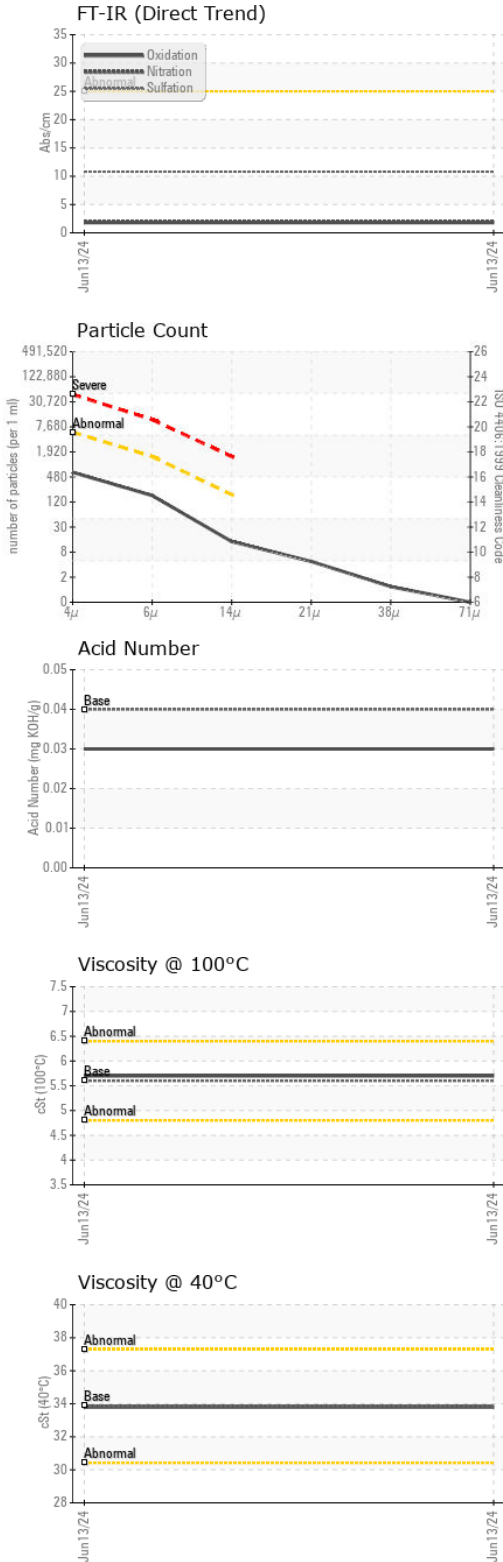
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >15	0	---	---
Sodium	ppm ASTM D5185(m)	0	---	---
Potassium	ppm ASTM D5185(m) >20	0	---	---

INFRA-RED

method	limit/base	current	history1	history2
Soot %	% ASTM D7844*	0	---	---
Nitration	Abs/cm ASTM D7624*	1.9	---	---
Sulfation	Abs/.1mm ASTM D7415*	10.8	---	---



OIL ANALYSIS REPORT



FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	546	---	---
Particles >6µm	ASTM D7647	>1300	152	---	---
Particles >14µm	ASTM D7647	>160	12	---	---
Particles >21µm	ASTM D7647	>40	4	---	---
Particles >38µm	ASTM D7647	>10	1	---	---
Particles >71µm	ASTM D7647	>3	0	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	16/14/11	---	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	1.8	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.03	---	---

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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	33.8	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	5.7	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	108	---	---

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



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC943382
Lab Number : **02641955**
Unique Number : 5799494
Test Package : IND 2 (Additional Tests: FT-IR, ICP-NewOil, KV100, PQ, PrtCount, VI)

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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.