

Machine Id

STORAGE

Component

New (Unused) Oil

Fluid

PETRO CANADA DURATRAN (--- LTR)

RECOMMENDATION

This is the baseline readout on this new (unused) oil. We advise that you follow the water drain-off procedure for this component. 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.

WEAR

{not applicable}

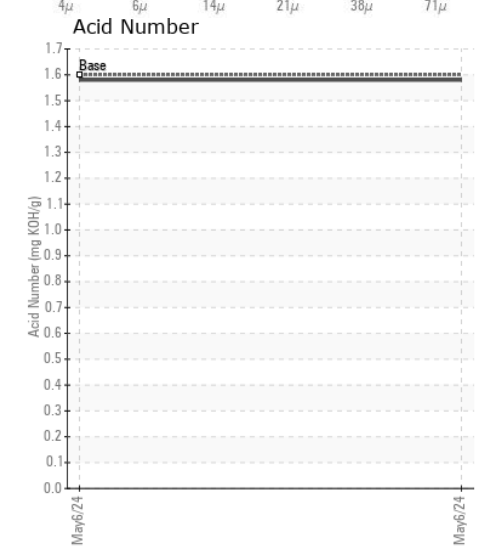
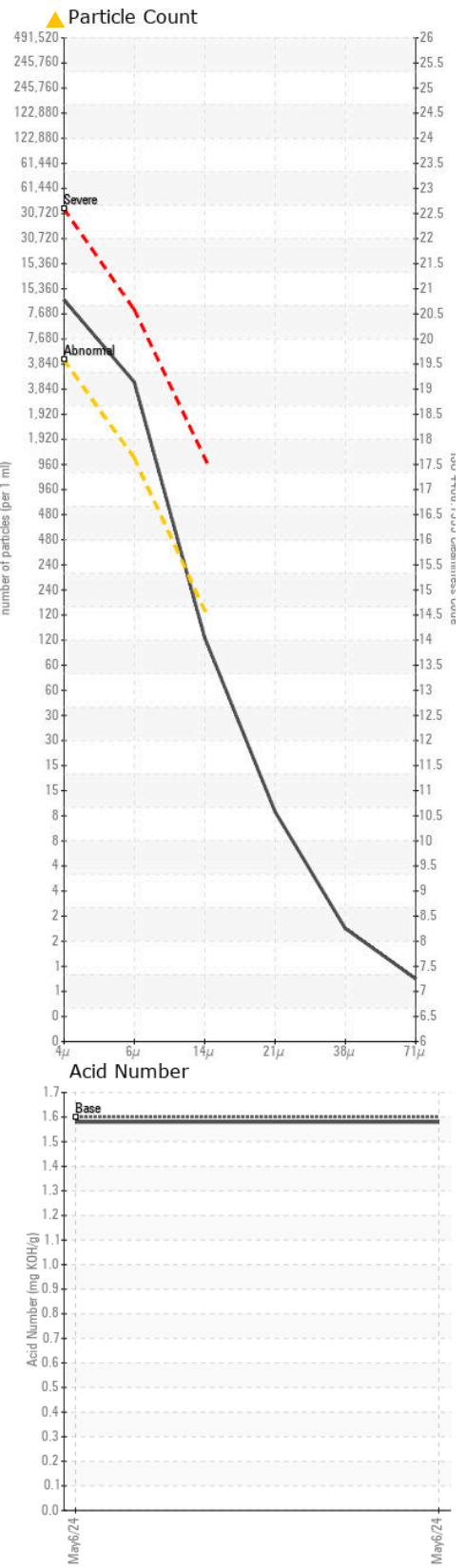
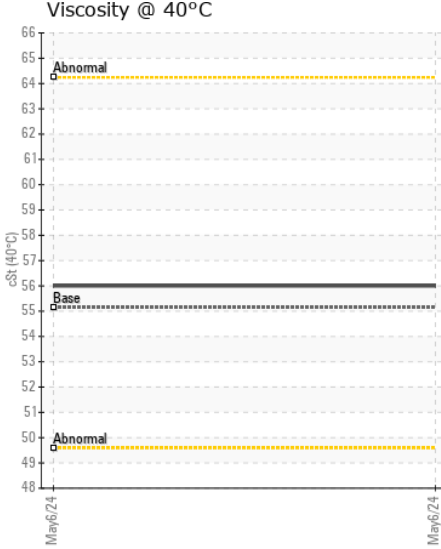
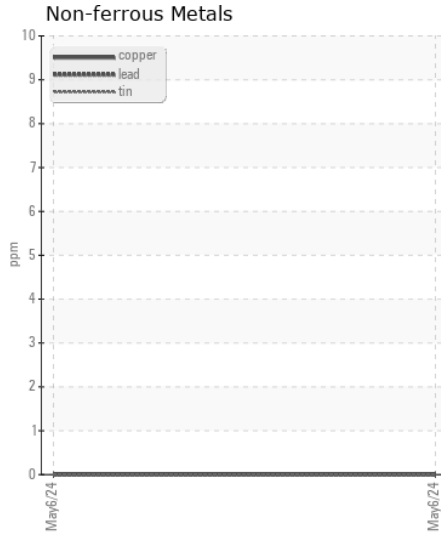
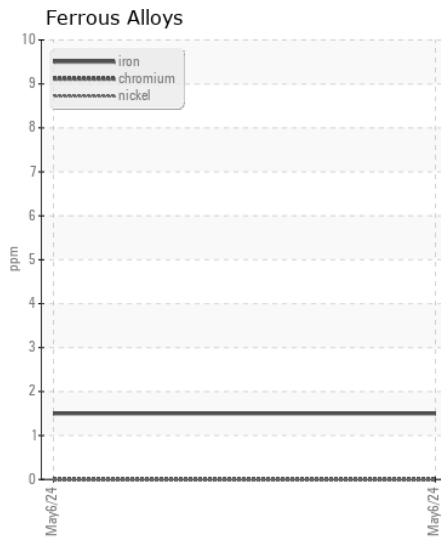
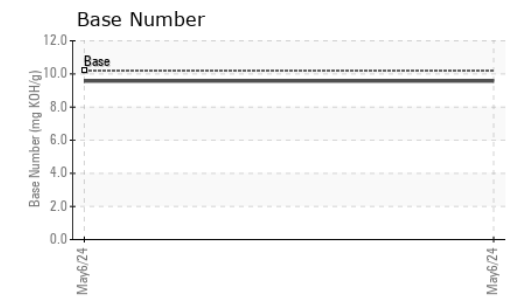
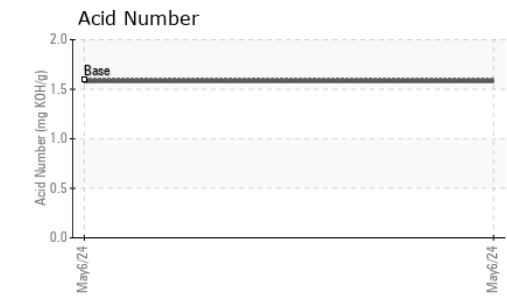
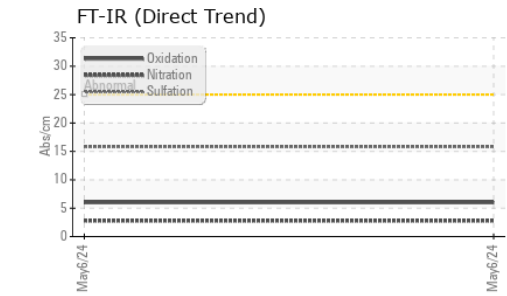
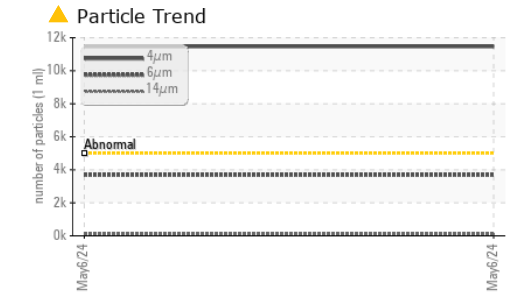
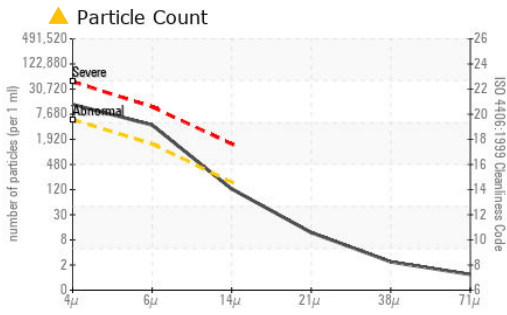
CONTAMINATION

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. Free water present.

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0041319	---	---
Sample Date		Client Info		06 May 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185(m)		2	---	---
Chromium	ppm	ASTM D5185(m)		0	---	---
Nickel	ppm	ASTM D5185(m)		0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)		1	---	---
Lead	ppm	ASTM D5185(m)		0	---	---
Copper	ppm	ASTM D5185(m)		0	---	---
Tin	ppm	ASTM D5185(m)		0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Silicon	ppm	ASTM D5185(m)		9	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Water		WC Method		NEG	---	---
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*		2.8	---	---
Sulfation	Abs/.1mm	ASTM D7415*		15.8	---	---
Particles >4µm		ASTM D7647	>5000	▲ 11465	---	---
Particles >6µm		ASTM D7647	>1300	▲ 3686	---	---
Particles >14µm		ASTM D7647	>160	110	---	---
Particles >21µm		ASTM D7647	>40	10	---	---
Particles >38µm		ASTM D7647	>10	2	---	---
Particles >71µm		ASTM D7647	>3	1	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 21/19/14	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	▲ WGOIL	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*		.2%	---	---
Sodium	ppm	ASTM D5185(m)		1	---	---
Boron	ppm	ASTM D5185(m)	110	120	---	---
Barium	ppm	ASTM D5185(m)	0.0	0	---	---
Molybdenum	ppm	ASTM D5185(m)	0.0	0	---	---
Manganese	ppm	ASTM D5185(m)	1	0	---	---
Magnesium	ppm	ASTM D5185(m)	13	21	---	---
Calcium	ppm	ASTM D5185(m)	3610	3520	---	---
Phosphorus	ppm	ASTM D5185(m)	1192	1140	---	---
Zinc	ppm	ASTM D5185(m)	1455	1410	---	---
Sulfur	ppm	ASTM D5185(m)	2641	2700	---	---
Oxidation	Abs/.1mm	ASTM D7414*		6.0	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*	1.6	1.58	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*	10.2	9.57	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	55.14	56.0	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	9.38	8.8	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	153	134	---	---



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0041319 **Received** : 08 May 2024
Lab Number : 02634095 **Tested** : 10 May 2024
Unique Number : 5775248 **Diagnosed** : 10 May 2024 - Kevin Marson
Test Package : MOB 2 (Additional Tests: FT-IR, ICP-NewOil, KV100, PrcCount, TBN, 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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