



Machine Id
BULK TANK
Component
New (Unused) Oil
Fluid
HONDA ATF DW-1 (--- GAL)

DIAGNOSIS

Recommendation

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

Wear

{not applicable}

Contamination

There is no indication of any contamination in the new (unused) oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. 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	PC0072097	---	---
Sample Date	Client Info	09 Aug 2023	---	---
Machine Age	hrs	Client Info	0	---
Oil Age	hrs	Client Info	0	---
Oil Changed	Client Info	N/A	---	---
Sample Status		NORMAL	---	---

WEAR METALS method limit/base current history1 history2

Iron	ppm	ASTM D5185(m)	>5	1	---	---
Chromium	ppm	ASTM D5185(m)	>5	0	---	---
Nickel	ppm	ASTM D5185(m)	>5	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>5	<1	---	---
Aluminum	ppm	ASTM D5185(m)	>5	<1	---	---
Lead	ppm	ASTM D5185(m)	>5	0	---	---
Copper	ppm	ASTM D5185(m)	>5	<1	---	---
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

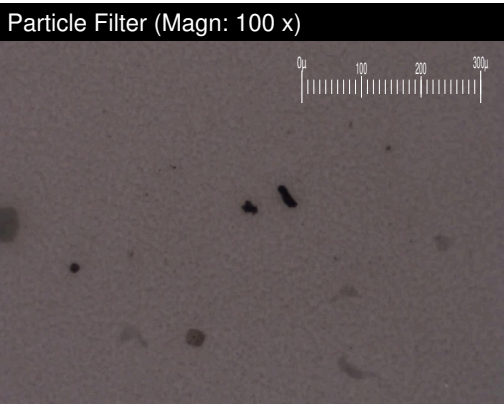
Boron	ppm	ASTM D5185(m)		280	---	---
Barium	ppm	ASTM D5185(m)		<1	---	---
Molybdenum	ppm	ASTM D5185(m)		0	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)		234	---	---
Calcium	ppm	ASTM D5185(m)		381	---	---
Phosphorus	ppm	ASTM D5185(m)		12	---	---
Zinc	ppm	ASTM D5185(m)		350	---	---
Sulfur	ppm	ASTM D5185(m)		796	---	---
Lithium	ppm	ASTM D5185(m)		<1	---	---

CONTAMINANTS method limit/base current history1 history2

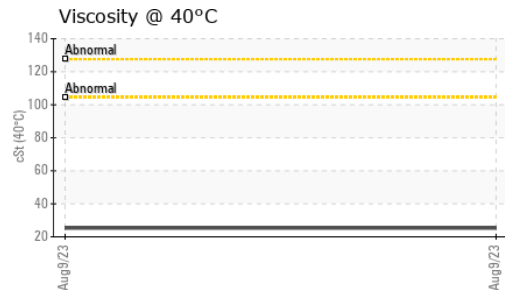
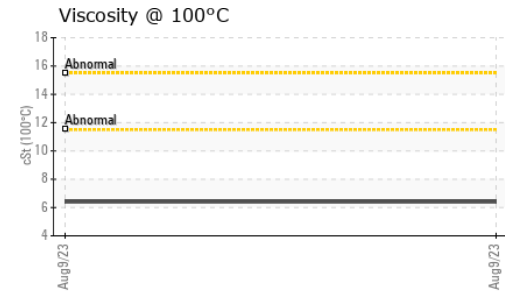
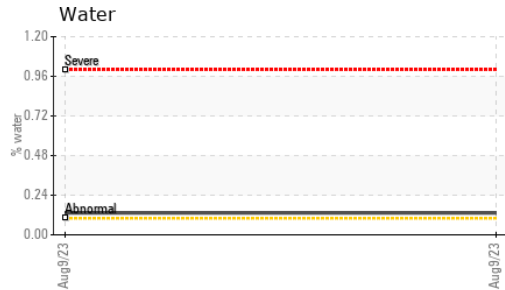
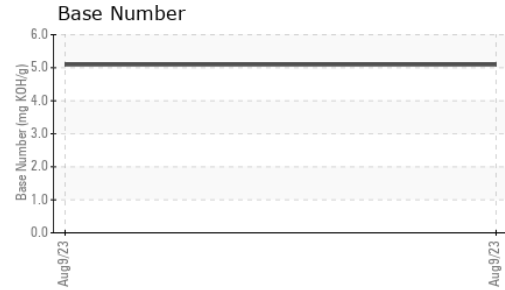
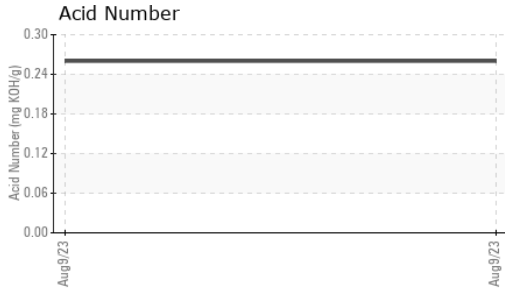
Silicon	ppm	ASTM D5185(m)	>15	4	---	---
Sodium	ppm	ASTM D5185(m)		1	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Water	%	ASTM D6304*		0.132	---	---
ppm Water	ppm	ASTM D6304*		1326.9	---	---

INFRA-RED method limit/base current history1 history2

Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*		7.0	---	---
Sulfation	Abs/.1mm	ASTM D7415*		42.8	---	---



OIL ANALYSIS REPORT






FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	69388	---	---	
Particles >6µm	ASTM D7647	>1300	17247	---	---	
Particles >14µm	ASTM D7647	>160	2018	---	---	
Particles >21µm	ASTM D7647	>40	834	---	---	
Particles >38µm	ASTM D7647	>10	82	---	---	
Particles >71µm	ASTM D7647	>3	7	---	---	
Oil Cleanliness	ISO 4406 (c)	>19/17/14	23/21/18	---	---	

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*		42.8	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*		0.26	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		5.09	---	---

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	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	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)		25.3	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		6.4	---	---
Viscosity Index (VI)	Scale	ASTM D2270*		223	---	---

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



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **Petro-Canada Technical/Yen Garcia**
Sample No. : PC0072097 **Received** : 11 Aug 2023
Lab Number : **02575357** **Diagnosed** : 21 Aug 2023
Unique Number : 5620408 **Diagnostician** : Kevin Marson
Test Package : IND 2 (Additional Tests: Bottom, BottomAnalysis, FILTERPATCH, FT-IR, ICP-NewOil, KF, KV100, PrtCoun

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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