

OIL ANALYSIS REPORT

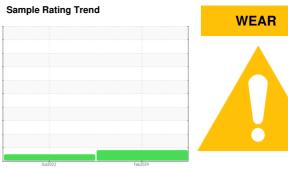


Machine Id 831052

Component

Transmission (Auto)

PETRO CANADA DuraDrive HD Synthetic 668 (--- GAL)



DIAGNOSIS

Recommendation

The fluid change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Copper ppm levels are abnormal. Clutch disc wear or oil cooler leaching indicated.

Contamination

There is no indication of any contamination in the fluid.

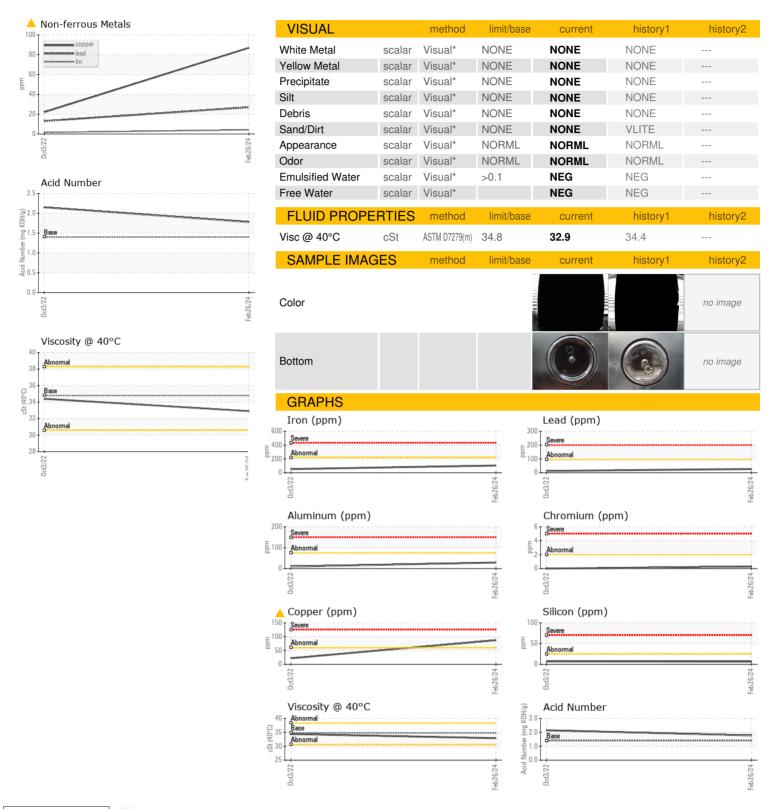
Fluid Condition

The AN level is acceptable for this fluid. The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

nu Synthetic 600 (GAL)		Oct2022	Feb 2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0112422	GFL0060230	
Sample Date		Client Info		26 Feb 2024	03 Oct 2022	
Machine Age	hrs	Client Info		3582	1017	
Oil Age	hrs	Client Info		1835	1017	
Oil Changed		Client Info		Changed	Changed	
Sample Status				ABNORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
WEAR METAL	.S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>220	104	53	
Chromium	ppm	ASTM D5185(m)	>2	<1	0	
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	
Titanium	ppm	ASTM D5185(m)		0	0	
Silver	ppm	ASTM D5185(m)	>5	0	0	
Aluminum	ppm	ASTM D5185(m)	>75	29	10	
_ead	ppm	ASTM D5185(m)	>95	27	13	
Copper	ppm	ASTM D5185(m)	>60	A 87	22	
Γin	ppm	ASTM D5185(m)	>10	4	2	
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)	78	120	156	
Barium	ppm	ASTM D5185(m)		<1	<1	
Molybdenum	ppm	ASTM D5185(m)	0	<1	<1	
Manganese	ppm	ASTM D5185(m)		3	4	
Magnesium	ppm	ASTM D5185(m)	0	2	2	
Calcium	ppm	ASTM D5185(m)	113	149	158	
Phosphorus	ppm	ASTM D5185(m)	222	396	465	
Zinc	ppm	ASTM D5185(m)		49	29	
Sulfur	ppm	ASTM D5185(m)	1326	2233	2475	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	7	7	
Sodium	ppm	ASTM D5185(m)		16	14	
Potassium	ppm	ASTM D5185(m)	>20	4	4	
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	1.4	1.78	2.15	



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CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number Unique Number : 5736716

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 550 - Rocky View County : GFL0112422

: 02619606 Test Package: MOB 2 (Additional Tests: TAN Man)

Received **Tested** Diagnosed

: 04 Mar 2024 : 04 Mar 2024

: 05 Mar 2024 - Kevin Marson

220 Carmek Blvd Rocky View County, AB **CA T1X 1X1**

Contact: GFL Calgary calgarymaintenance@gflenv.com T:

F: (403)369-6163

Submitted By: GFL Calgary

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.