

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 1208

Component **Transmission (Auto)**

Fluic

PETRO CANADA DuraDrive HD Synthetic 668 (24 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

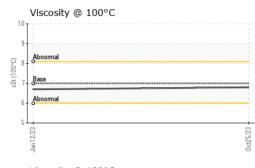
Fluid Condition

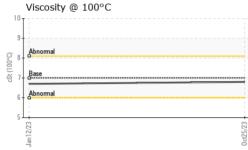
The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

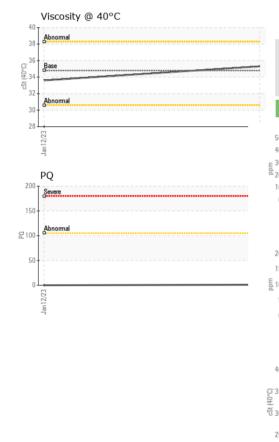
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0076763	PC0052617	
Sample Date		Client Info		25 Oct 2023	12 Jan 2023	
Machine Age	kms	Client Info		615802	563571	
Oil Age	kms	Client Info		52231	50159	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	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
PQ		ASTM D8184*	>105	1	0	
Iron	ppm	ASTM D5185(m)	>230	49	20	
Chromium	ppm	ASTM D5185(m)	>2	0	0	
Nickel	ppm	ASTM D5185(m)	>5	<1	0	
Titanium	ppm	ASTM D5185(m)	>2	0	0	
Silver	ppm	ASTM D5185(m)	>5	<1	0	
Aluminum	ppm	ASTM D5185(m)	>65	8	6	
Lead	ppm	ASTM D5185(m)	>55	4	2	
Copper	ppm	ASTM D5185(m)	>85	19	10	
Tin	ppm	ASTM D5185(m)	>5	<1	<1	
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)	78	14	25	
Barium	ppm	ASTM D5185(m)		0	0	
Molybdenum	ppm	ASTM D5185(m)	0	6	2	
Manganese	ppm	ASTM D5185(m)		0	<1	
Magnesium	ppm	ASTM D5185(m)	0	62	<1	
Calcium	ppm	ASTM D5185(m)	113	172	104	
Phosphorus	ppm	ASTM D5185(m)	222	259	224	
Zinc	ppm	ASTM D5185(m)		78	4	
Sulfur	ppm	ASTM D5185(m)	1326	1549	1735	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	5	4	
Sodium	ppm	ASTM D5185(m)	-	70	39	
Potassium	ppm	ASTM D5185(m)	>20	<1	1	
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	1.4	0.70	0.88	
		. IOTHI DUI T		00	0.00	



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VISUAL		method	limit/base	e current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE	
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	
Precipitate	scalar	Visual*	NONE	NONE	NONE	
Silt	scalar	Visual*	NONE	NONE	NONE	
Debris	scalar	Visual*	NONE	NONE	NONE	
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	
Appearance	scalar	Visual*	NORML	NORML	NORML	
Odor	scalar	Visual*	NORML	NORML	NORML	
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	
Free Water	scalar	Visual*		NEG	NEG	
FLUID PROPE	RTIES	method	limit/base	e current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	34.8	35.3	33.6	
Visc @ 100°C	cSt	ASTM D7279(m)	7.0	6.8	6.7	
Viscosity Index (VI)	Scale	ASTM D2270*	167	154	161	
SAMPLE IMAG	iES	method	limit/base	e current	history1	history2
Color						no image
Bottom						no image
GRAPHS						
Ferrous Alloys				PQ		
50 40				Severe		
E 30 20				100		
20			1	160		
				140 -		
Jan 12/23			0ct25/23	20 Abnormal		
Jan			LD Oct	100 - Abnormal		
Non-ferrous Metals	S			80-		
20 copper			_	60		
15- E.10-				40		
8 10				20		

2/23			5/23 -			
Jan 12/2:			0ct25/23	Jan 12/23		
Viscosity @ 40°C				Acid Number		
40 Abnormal			(B/H			
2 35 - Base			ng Ko	1.0		
C 35 Base Abnomal 30			ther (r			
			Acid Number (mg KOH/g)	0.5		
25			23 +			
Jan 12/23			0ct25/23	Jan 12/23		
	Received	d : 23 I	Nov 2023	L7L 5H9	-	t robus Trar essenger Dr
		t ician :Wea 100, VI)	Nov 2023 s Davis		Cont dan.finlav@	St. John`s, CA A1B 0 act: Dan Fin

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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CALA

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