

OIL ANALYSIS REPORT

G.LOPES CONSTRUCTION INC./On-Road 122

Component **Transmission (Auto)**

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

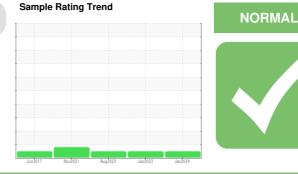
All component wear rates are normal.

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.





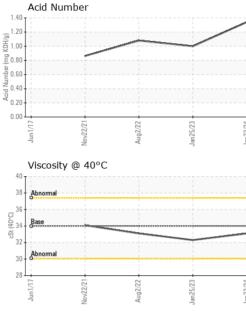
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0109662	PCA0090664	PCA0071932
Sample Date		Client Info		23 Jan 2024	25 Jan 2023	02 Aug 2022
Machine Age	mls	Client Info		535000	535000	535000
Oil Age	mls	Client Info		535000	535000	535000
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>160	64	48	34
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	37	29	24
Lead	ppm	ASTM D5185m	>50	4	4	3
Copper	ppm	ASTM D5185m	>225	11	9	7
Tin	ppm	ASTM D5185m	>10	3	2	2
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		79	80	79
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		<1	<1	3
Calcium	ppm	ASTM D5185m		97	110	97
Phosphorus	ppm	ASTM D5185m		217	241	211
Zinc	ppm	ASTM D5185m		3	10	9
Sulfur	ppm	ASTM D5185m		1278	1330	1388
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	8	7	6
Sodium	ppm	ASTM D5185m		4	9	5

Potassium	ppm	ASTM D5185m	>20	0	5	<1
FLUID DEGF	RADATION	method	limit/base	current	history1	history2
Acid Number (AN	I) mg KOH/g	ASTM D8045		1.34	1.00	1.08



OIL ANALYSIS REPORT

VISUAL



Copper (ppm) Copper (ppm) Co	Aug2/22 +	d : 26 . ed : 29 .	+70527mer +70527mer +70527mer (0)H00y Bull Jac +70527mer +70527mer (0)H00y Bull Jac +70527mer +70527mer (0)H00y Bull Jac +70527mer +70527mer (0)H00y Bull Jac +70527mer (0)H00y	Acid Number		WINTHRO TAUNTOI	OP ST
L//Imn Copper (ppm) Copper (ppm) Copper (ppm) Copper (ppm) Copper (ppm) Copper (ppm) Copper (ppm) Copper (ppm) Copper (ppm)	Aug222	Jan 25/23	40 25 June 1.50 1.50 1.00 1.00 1.00 0.00 0.00	Silicon (ppm)	Aug222 -	Jan 25/23 +	+ PC/EC uel
Copper (ppm)	Aug2/22		40 Ed 20 #2/22/22/20	Silicon (ppm)	Aug2/22		
Copper (ppm) Copper (ppm)	Aug2/22		40 Ed 20 #2/22/22/20	Silicon (ppm)	Aug2/22		
Copper (ppm) Copper (ppm)	Aug2/22		40 Ed 20 #2/22/22/20	Silicon (ppm)	Aug2/22		
LUTune Copper (ppm)	Aug2/22		40 Ed 20 #2/22/22/20	Silicon (ppm)	Aug2/22		
Copper (ppm)			40 톨 20	Silicon (ppm))		
Copper (ppm)			40 톨 20	Silicon (ppm))		
Copper (ppm)	Aug2/22 -	Jan 25/23 +	40	Silicon (ppm)		Jan 25/23	
Copper (ppm)	Aug2/22 +	Jan 25/23 +	-	Silicon (ppm)		Jan 25/23	1-22
Jun1/17 Nov22/21	Aug2/22 -	Jan 25/23 -	Jan23/24			Jan 25/23	
	Jug2/22 -	an 25/23 +	an 23/24	Jun1/17	ług2/22 -	an 25/23	00
	2-		4	1	2	~	5
0 - Abnormal			E ¹⁰	Abnormal			
⁰ Severe				L Sminn			
		7	7	~		7	_
Jun1/i Jov22/2	Aug2/2	lan 25/2	Jan 23/2	Jun1/i lov22/2	Aug2/2	lan 25/2	20/20 uc
0	2	en			2		v
0 + Abnormal			E 100	Abnormal			
0 T Severe							
				Lead (ppm)			
GRAPHS							
Bottom				no image	no image	no ima	age
Dettern							
Color				no image	no image	no ima	age
SAMPLE IMA	GES	method	limit/base	current	history1	histo	ory2
Visc @ 40°C	cSt	ASTM D445	34	33.1	32.3	33.1	
FLUID PROPE	ERTIES	method	limit/base	current	history1	histo	ory2
Free Water	scalar	*Visual		NEG	NEG	NEG	
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG	
Odor	scalar	*Visual	NORML	NORML	NORML	NOR	ЛL
Appearance	scalar	*Visual	NORML	NORML	NORML		
•							
	Odor Emulsified Water Free Water FLUID PROPE Visc @ 40°C SAMPLE IMAC Color Bottom GRAPHS Iron (ppm)	Yellow Metal scalar Precipitate scalar Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Odor scalar Emulsified Water scalar Free Water scalar FLUID PROPERTIES Visc @ 40°C cSt SAMPLE IMAGES Color Bottom GRAPHS Iron (ppm) Aluminum (ppm)	Yellow Metal scalar *Visual Precipitate scalar *Visual Silt scalar *Visual Debris scalar *Visual Sand/Dirt scalar *Visual Sand/Dirt scalar *Visual Appearance scalar *Visual Odor scalar *Visual Odor scalar *Visual Emulsified Water scalar *Visual Free Water scalar *Visual FLUID PROPERTIES method Visc @ 40°C cSt ASTM D445 SAMPLE IMAGES method Color Free Water scalar Aluminum (ppm)	Yellow Metal scalar *Visual NONE Precipitate scalar *Visual NONE Silt scalar *Visual NONE Debris scalar *Visual NONE Sand/Dirt scalar *Visual NONE Sand/Dirt scalar *Visual NONE Appearance scalar *Visual NORML Odor scalar *Visual NORML Odor scalar *Visual NORML Color scalar *Visual >0.1 FLUID PROPERTIES method limit/base Visc @ 40°C cSt ASTM D445 34 SAMPLE IMAGES method limit/base Color	Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Debris scalar *Visual NONE LIGHT Sand/Dirt scalar *Visual NONE NORE Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Odor scalar *Visual >0.1 NEG Free Water scalar *Visual >0.1 NEG FLUID PROPERTIES method limit/base current Visc @ 40°C cSt ASTM D445 34 33.1 SAMPLE IMAGES method limit/base current Color	Yellow Metal scalar *Visual NONE NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Odor scalar *Visual NORML NORML NORML NORML Odor scalar *Visual >0.1 NEG NEG Free Water scalar *Visual >0.1 NEG NEG FLUID PROPERTIES method limit/base current history1 Visc @ 40°C cSt ASTM D445 34 33.1 32.3 SAMPLE IMAGES method limit/base current history1 Geraphic	Yellow Metal scalar *Visual NONE NONE NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML NORM Odor scalar *Visual NORML NORML NORML NORM NORM Color scalar *Visual >0.1 NEG NEG NEG FLUID PROPERTIES method limit/base current history1 histor Visual imit/base current history1 histor Color ro <image< td=""> no<image< td=""> no<image< td=""> no<image< td=""> Mommunu (ppm) imit/base current history1 history1 <t< td=""></t<></image<></image<></image<></image<>

limit/base



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