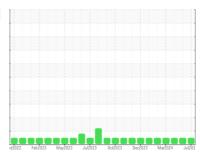


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 10809 Component

Component Transmission (Auto)

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.

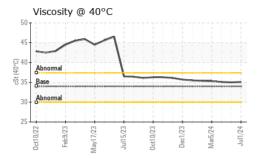
Fluid Condition

The condition of the fluid is acceptable for the time in service.

Client Info)00 (GAL)			,				
Client Info	SAMPLE INFORI	MATION	method	limit/base	current	history1	history2	
Machine Age hrs Client Info 20325 20085 20062 Oil Age hrs Client Info 240 835 283 Oil Changed Client Info Not Changed Not Changed Not Changed Sample Status Immodel NoRMAL NORMAL NORMAL CONTAMINATION method Immibase current history1 history2 Water WC Method >0.1 NEG NEG NEG WEAR METALS method Immibase current history1 history2 Iron ppm ASTM D5185m >160 23 21 16 Chromium ppm ASTM D5185m >5 0 0 0 Nickel ppm ASTM D5185m >5 0 0 0 Alluminum ppm ASTM D5185m >5 0 0 0 Chade ppm ASTM D5185m >5 0 0 0 Copper	Sample Number		Client Info		GFL0122152	GFL0118088	GFL0115724	
Oil Age hrs Client Info 240 835 263 Oil Changed Status Client Info Not Changed NoRMAL Not Changed NoRMAL Not Changed NoRMAL Not Changed NoRMAL	Sample Date		Client Info		01 Jul 2024	21 May 2024	01 Apr 2024	
Coli	Machine Age	hrs	Client Info		20325	20085	20062	
NORMAL NORMAL NORMAL CONTAMINATION method imilibase current history1 history2 history2	Oil Age	hrs	Client Info		240	835	263	
Water	Oil Changed		Client Info		Not Changd	Changed	Not Changd	
Water WC Method >0.1 NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >160 23 21 16 Chromium ppm ASTM D5185m >5 <1	Sample Status				NORMAL	NORMAL	NORMAL	
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >160 23 21 16 Chromium ppm ASTM D5185m >5 0 0 0 Nickel ppm ASTM D5185m >5 0 0 0 Silver ppm ASTM D5185m >5 0 0 0 Aluminum ppm ASTM D5185m >5 0 0 0 Aluminum ppm ASTM D5185m >50 6 5 5 Lead ppm ASTM D5185m >50 <1 <1 <1 Copper ppm ASTM D5185m >10 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	CONTAMINAT	ION	method	limit/base	current	history1	history2	
	Water		WC Method	>0.1	NEG	NEG	NEG	
Chromium ppm ASTM D5185m >5 <1 0 0 Nickel ppm ASTM D5185m >5 0 0 0 Tittanium ppm ASTM D5185m >5 0 0 0 Siliver ppm ASTM D5185m >5 0 0 0 Aluminum ppm ASTM D5185m >50 6 5 5 Lead ppm ASTM D5185m >50 <1	WEAR METAL	S	method	limit/base	current	history1	history2	
Nickel	Iron	ppm	ASTM D5185m	>160	23	21	16	
Description	Chromium	ppm	ASTM D5185m	>5	<1	0	0	
Silver	Nickel	ppm	ASTM D5185m	>5	0	0	0	
Astronomic Ast	Titanium	ppm	ASTM D5185m		0	0	0	
Lead	Silver	ppm	ASTM D5185m	>5	0	0	0	
Copper ppm ASTM D5185m >225 12 8 9 Tin ppm ASTM D5185m >10 <1 <1 <1 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 47 50 51 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 41 <1 0 Magnesium ppm ASTM D5185m 3 2 2 2 Calcium ppm ASTM D5185m 92 158 117 158 117 158 117 231 21 22 22 22 22 22 22 23 22 22 23 22 23 1495 1827	Aluminum	ppm	ASTM D5185m	>50	6	5	5	
Tin	Lead	ppm	ASTM D5185m	>50	<1	<1	<1	
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 47 50 51 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 1 <1	Copper	ppm	ASTM D5185m	>225	12	8	9	
Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 47 50 51 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m <1 <1 0 Manganese ppm ASTM D5185m 0 <1 <1 Magnesium ppm ASTM D5185m 3 2 2 2 Calcium ppm ASTM D5185m 92 158 117 117 Phosphorus ppm ASTM D5185m 248 221 231 <th>Tin</th> <th>ppm</th> <th>ASTM D5185m</th> <th>>10</th> <th><1</th> <th><1</th> <th><1</th>	Tin	ppm	ASTM D5185m	>10	<1	<1	<1	
ADDITIVES	Vanadium	ppm	ASTM D5185m		0	0	0	
Boron	Cadmium	ppm	ASTM D5185m		0	0	0	
Barium	ADDITIVES		method	limit/base	current	history1	history2	
Molybdenum ppm ASTM D5185m <1 <1 0 Manganese ppm ASTM D5185m 0 <1	<td>Boron</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <th>47</th> <td>50</td> <td>51</td>	Boron	ppm	ASTM D5185m		47	50	51
Manganese ppm ASTM D5185m 0 <1 <1 Magnesium ppm ASTM D5185m 3 2 2 Calcium ppm ASTM D5185m 92 158 117 Phosphorus ppm ASTM D5185m 248 221 231 Zinc ppm ASTM D5185m 102 97 82 Sulfur ppm ASTM D5185m 1495 1827 1747 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 4 4 3 Sodium ppm ASTM D5185m >20 2 <1	Barium	ppm	ASTM D5185m		0	0	0	
Magnesium ppm ASTM D5185m 3 2 2 Calcium ppm ASTM D5185m 92 158 117 Phosphorus ppm ASTM D5185m 248 221 231 Zinc ppm ASTM D5185m 102 97 82 Sulfur ppm ASTM D5185m 1495 1827 1747 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 4 4 3 Sodium ppm ASTM D5185m >20 2 <1	Molybdenum	ppm	ASTM D5185m		<1	<1	0	
Calcium ppm ASTM D5185m 92 158 117 Phosphorus ppm ASTM D5185m 248 221 231 Zinc ppm ASTM D5185m 102 97 82 Sulfur ppm ASTM D5185m 1495 1827 1747 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 4 4 3 Sodium ppm ASTM D5185m >20 2 <1	Manganese	ppm	ASTM D5185m		0	<1	<1	
Phosphorus ppm ASTM D5185m 248 221 231 Zinc ppm ASTM D5185m 102 97 82 Sulfur ppm ASTM D5185m 1495 1827 1747 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 4 4 3 Sodium ppm ASTM D5185m >20 2 <1	Magnesium	ppm	ASTM D5185m		3	2	2	
Table Tabl	Calcium	ppm	ASTM D5185m		92	158	117	
Sulfur ppm ASTM D5185m 1495 1827 1747 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 4 4 3 Sodium ppm ASTM D5185m >20 2 <1	Phosphorus	ppm	ASTM D5185m		248	221	231	
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 4 4 3 Sodium ppm ASTM D5185m >20 2 <1	Zinc	ppm	ASTM D5185m		102	97	82	
Silicon	Sulfur	ppm	ASTM D5185m		1495	1827	1747	
Sodium ppm ASTM D5185m <1	CONTAMINAN	TS	method	limit/base	current	history1	history2	
Potassium ppm ASTM D5185m >20 2 <1 0 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE NONE 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 Emulsified Water scalar *Visual >0.1 NEG NEG	Silicon	ppm	ASTM D5185m	>20	4	4	3	
White Metal scalar *Visual NONE NONE NONE NONE NONE NONE NONE NON	Sodium	ppm	ASTM D5185m		<1	2	3	
White Metal scalar *Visual NONE NONE NONE NONE 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 Emulsified Water scalar *Visual >0.1 NEG NEG	Potassium	ppm	ASTM D5185m	>20	2	<1	0	
Yellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	VISUAL		method	limit/base	current	history1	history2	
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 Emulsified Water scalar *Visual >0.1 NEG NEG	White Metal	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 Emulsified Water scalar *Visual >0.1 NEG NEG	Yellow Metal	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 NORML Emulsified Water scalar *Visual >0.1 NEG NEG	Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE	
Sand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	Silt	scalar	*Visual	NONE	NONE	NONE	NONE	
Appearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	Debris	scalar	*Visual	NONE	NONE	NONE	NONE	
Odor scalar *Visual NORML NORML NORML NORML NORML Emulsified Water scalar *Visual >0.1 NEG NEG	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE	
Emulsified Water scalar *Visual >0.1 NEG NEG NEG	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML	
Free Water scalar *Visual NEG NEG NEG	Emulsified Water	scalar		>0.1		NEG	NEG	
	Free Water	scalar	*Visual		NEG	NEG	NEG	

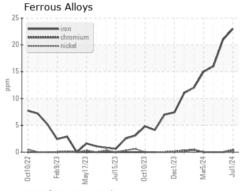


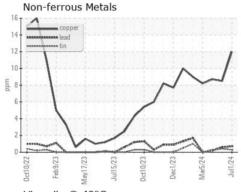
OIL ANALYSIS REPORT

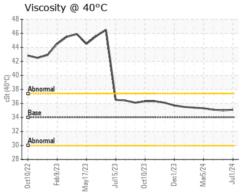


FLUID PROPE	ERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	34	35.1	35.0	35.1
SAMPLE IMA	GES	method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image

GRAPHS









Certificate 12367

Laboratory

Sample No. Unique Number : 11110161 Test Package : FLEET

: GFL0122152 Lab Number : 06226668

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 02 Jul 2024 Received

Tested : 03 Jul 2024 Diagnosed : 03 Jul 2024 - Wes Davis

GFL Environmental - 010 - Stockbridge

1280 Rum Creek Parkway Stockbridge, GA

US 30281

Contact: JOSHUA TINKER joshuatinker@gflenv.com

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T: F: