

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id 831047 Component

Transmission (Auto)

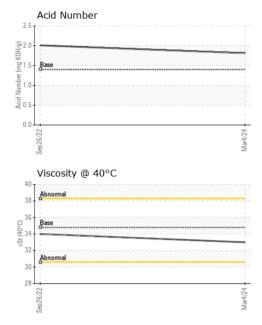
PETRO CANADA DuraDrive HD Synthetic 668 (--- GAL)

DIAGNOSIS	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		GFL0112383	GFL0060186	
Resample at the next service interval to monitor.	Sample Date		Client Info		04 Mar 2024	26 Sep 2022	
Wear	Machine Age	hrs	Client Info		3848	1039	
All component wear rates are normal.	Oil Age	hrs	Client Info		1841	1039	
Contamination	Oil Changed		Client Info		Changed	Changed	
There is no indication of any contamination in the	Sample Status				NORMAL	NORMAL	
fluid.	CONTAMINAT	ION	method	limit/base		history1	history2
Fluid Condition	Water		WC Method		NEG	NEG	
The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.	WEAR METAL	<u>د</u>	method	limit/base		history1	history2
	Iron				153	51	
		ppm					
	Chromium Nickel	ppm	ASTM D5185(m) ASTM D5185(m)		<1	0	
		ppm		>0	<1	<1	
	Titanium	ppm	ASTM D5185(m)	. E	0	0	
	Silver	ppm	ASTM D5185(m)		0	0	
	Aluminum	ppm	ASTM D5185(m)		42	14	
	Lead	ppm	ASTM D5185(m)		24	11	
	Copper	ppm	ASTM D5185(m)		40	18	
	Tin	ppm	ASTM D5185(m)		6	2	
	Antimony	ppm	ASTM D5185(m)	>2	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	128	151	
	Barium	ppm	ASTM D5185(m)		1	1	
	Molybdenum	ppm	ASTM D5185(m)	0	<1	1	
	Manganese	ppm	ASTM D5185(m)		3	3	
	Magnesium	ppm	ASTM D5185(m)	0	1	1	
	Calcium	ppm	ASTM D5185(m)	113	159	156	
	Phosphorus	ppm	ASTM D5185(m)	222	406	455	
	Zinc	ppm	ASTM D5185(m)		57	30	
	Sulfur	ppm	ASTM D5185(m)	1326	2319	2514	
	Lithium	ppm	ASTM D5185(m)		<1	<1	
	CONTAMINAN	ITS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185(m)	>25	7	9	
	Sodium	ppm	ASTM D5185(m)		15	13	
	Potassium	ppm	ASTM D5185(m)	>20	4	4	
	FLUID DEGRA	DAT <u>IO</u> N	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D974*	1.4	1.81	2.01	



OIL ANALYSIS REPORT

VISUAI method limit/base



White MetalscalarVisual*NONENONENONENONEYellow MetalscalarVisual*NONENONENONENONEPrecipitatescalarVisual*NONENONENONENONESiltscalarVisual*NONENONENONENONEDebrisscalarVisual*NONENONENONENONESand/DirtscalarVisual*NONENONENONENONEAppearancescalarVisual*NORMLNORMLNORMLNORMLOdorscalarVisual*NORMLNORMLNORMLNORMLOdorscalarVisual*NORMLNORMLNORMLNORMLEmulsified WaterscalarVisual*>0.1NEGNEGFree WaterscalarVisual*>0.1NEGNEGVisc @ 40°CcStASTM D7279(m)34.833.034.0ColorImit/basecurrenthistory1BottomImit basecurrenthistory1	 history2 history2
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Color Bottom	
Bottom	no image
	no image
GRAPHS	
Iron (ppm) Lead (ppm)	
0 300 Severe 200 Severe	
lo d donormal	
Sep 26/22 Mar4/24	4 C Prof
Aluminum (ppm) Chromium (ppm)	-
¹⁰ Severe	
	20
Sep 26/22	0 C Pre M
Copper (ppm) Silicon (ppm)	
0 Severe 100 Severe	
Abnormal	
49.26.72 4.72 4.50.72	ACAL
Sep 26/23	- M
Viscosity @ 40°C ^o T Abnormal ^o T Abnormal ^o T Acid Number	
5 - Base E2.0 - E2.0 -	
5 + Base Abnormal 0 + Abnormal	
5년	
Sep 26/22 Mar4/24 Aci	0 C Pre M
WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 550 GFL0112383 Received : 12 Mar 2024 D2621530 Tested : 12 Mar 2024 Rocky 5746649 Diagnosed : 12 Mar 2024 - Wes Davis Con MOB 2 (Additional Tests: TAN Man) Con	- Rocky View Count 220 Carmek Blvv View County, Af CA T1X 1X tact: GFL Calgar ance@gflenv.con T

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.

Report Id: GFL550 [WCAMIS] 02621530 (Generated: 03/12/2024 16:33:36) Rev: 1

CALA

ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No. Lab Number

Unique Number Test Package

> Submitted By: GFL Calgary Page 2 of 2

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