

REC	OMN	IEND	ATI	ON
	010110			U 1 1

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS							
Sample Status				ATTENTION	ATTENTION	ABNORMAL	
Visc @ 100°C	cSt	ASTM D445	15.4	🔺 11.9	1 1.8	12.7	

Customer Id: GFL095 Sample No.: GFL0074625 Lab Number: 06034080 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

To change component or sample information: Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u> VISCOSITY

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

20 Nov 2023 Diag: Sean Felton



Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

30 Oct 2023 Diag: Don Baldridge



Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Valve wear is indicated. All other component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

05 Jun 2023 Diag: Wes Davis



Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.







view report



OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY



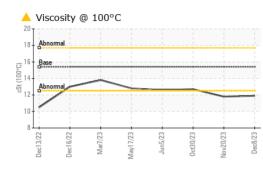
Diesel Engine

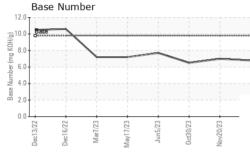
PETRO CANADA DURON SHP 15W40 (11 GAL)

IAGNOSIS	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		GFL0074625	GFL0074634	GFL009248
sample at the next service interval to monitor.	Sample Date		Client Info		08 Dec 2023	20 Nov 2023	30 Oct 2023
ar	Machine Age	hrs	Client Info		3068	2934	2846
component wear rates are normal.	Oil Age	hrs	Client Info		134	88	576
ntamination	Oil Changed		Client Info		Not Changd	Changed	Changed
ere is no indication of any contamination in the	Sample Status				ATTENTION	ATTENTION	ABNORMAI
luid Condition	CONTAMINAT	ION	method	limit/base	current	history1	history2
e oil viscosity is lower than normal. The BN result	Fuel		WC Method	>3.0	<1.0	0.3	<1.0
cates that there is suitable alkalinity remaining in	Water		WC Method	>0.2	NEG	NEG	NEG
oil. Confirm oil type.	Glycol		WC Method		NEG	NEG	NEG
	WEAR METAL	S	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>120	2	6	27
	Chromium	ppm	ASTM D5185m	>20	0	<1	1
	Nickel	ppm	ASTM D5185m	>5	2	4	1 2
	Titanium	ppm	ASTM D5185m	>2	0	0	0
	Silver	ppm	ASTM D5185m		0	<1	<1
	Aluminum	ppm	ASTM D5185m	>20	1	2	4
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m		0	3	22
	Tin	ppm	ASTM D5185m		<1	<1	1
	Vanadium	ppm	ASTM D5185m	210	0	0	0
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	8	5	6
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m	60	52	56	60
	Manganese	ppm	ASTM D5185m		<1	0	<1
	Magnesium	ppm	ASTM D5185m	1010	738	727	843
	Calcium	ppm	ASTM D5185m	1070	875	889	982
	Phosphorus	ppm	ASTM D5185m	1150	837	835	911
	Zinc	ppm	ASTM D5185m	1270	1023	1023	1115
	Sulfur	ppm	ASTM D5185m		2535	2823	2352
	CONTAMINAN	ITS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	3	3	6
	Sodium	ppm	ASTM D5185m		<1	1	3
	Potassium	ppm	ASTM D5185m	>20	1	3	7
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>4	0.2	0.2	0.5
	Nitration	Abs/cm	*ASTM D7624		5.1	5.0	8.5
	Sulfation	Abs/.1mm	*ASTM D7415		16.6	16.7	20.0
	FLUID DEGRA		method	limit/base	current	history1	history2
		Al / d	*40714 07414	> 25	11.8	11.6	16.1
	Oxidation	Abs/.1mm	*ASTM D7414	>20	11.0	11.0	10.1

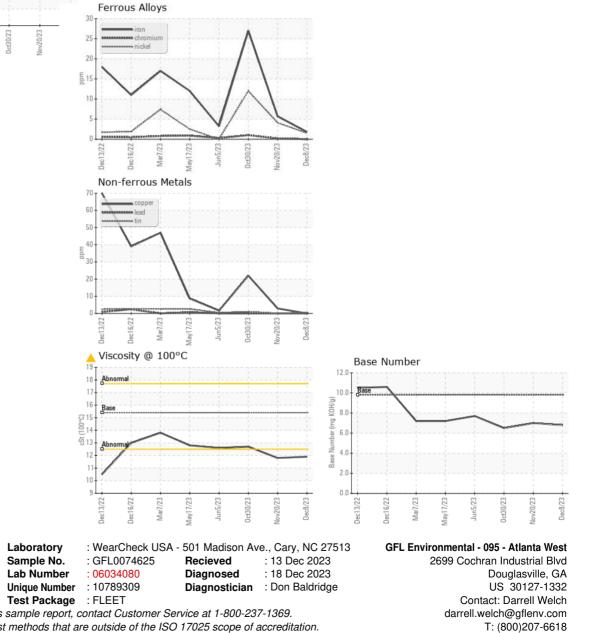


OIL ANALYSIS REPORT





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	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	11.9	1 1.8	12.7
GRAPHS						





Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Page 4 of 4

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