

Machine Id 933002 Component Natural Gas Engine PETRO CANADA DURON GEO LD 15W40 (--- GAL)

PETRO CANADA DURON GEO LD 15W40 (G							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		GFL0092162	GFL0092050	GFL0084624
	Sample Date		Client Info		06 Feb 2024	13 Dec 2023	09 Nov 2023
	Machine Age	hrs	Client Info		1203	742	457
	Oil Age	hrs	Client Info		600	600	457
	Filter Age	hrs	Client Info		600	600	457
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	ATTENTION	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>50	12	26	20
	Chromium	ppm	ASTM D5185m	>4	<1	<1	1
Metal levels are typical for a new component breaking in.	Nickel	ppm	ASTM D5185m		0	<1	<1
	Titanium	ppm	ASTM D5185m		<1	<1	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m		2	2	2
	Lead	ppm	ASTM D5185m	>30	<1	2	<1
	Copper	ppm	ASTM D5185m		4	10	0
	Tin	ppm	ASTM D5185m		1	1	<1
	Vanadium	ppm	ASTM D5185m		<1	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>+100	20	87	10
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		0	6	<1
	Water		WC Method	>0.1	NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0	0	0
	Nitration	Abs/cm	*ASTM D7624	>20	9.4	10.5	13.7
	Sulfation	Abs/.1mm	*ASTM D7415	>30	19.7	21.6	24.9
	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	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORMI
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		3	4	5
	Boron	ppm	ASTM D5185m	50	18	13	15
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		<1	18	0
	Molybdenum	ppm	ASTM D5185m		51	56	59
	Manganese	ppm	ASTM D5185m		1	3	<1
	Magnesium	ppm	ASTM D5185m		587	729	679
	Calcium	ppm	ASTM D5185m		1501	1207	1832
	Phosphorus	ppm	ASTM D5185m		763	658	886
	Zinc	ppm	ASTM D5185m		941	894	1134
	Sulfur	ppm	ASTM D5185m		2445	2230	2925
	Oxidation	Abs/.1mm	*ASTM D7414		17.1	19.4	19.9
	Base Number (BN)	mg KOH/g	ASTM D2896	10.2	6.1	4.8	5.2

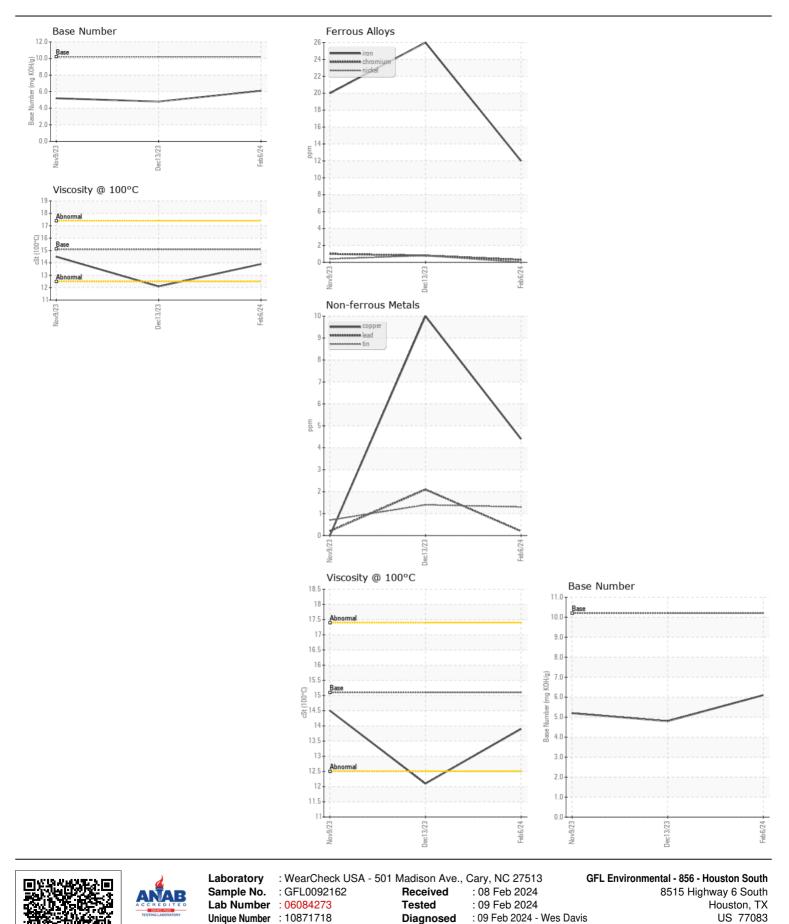
Visc @ 100°C cSt

ASTM D445 15.1

14.5

12.1

13.9



Test Package : FLEET Contact: Apolinar Zacarias Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. pzacariascano@gflenv.com * - 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)

Submitted By: Apolinar Zacarias Page 2 of 2

Т:

F: