

Machine Id 945012 Component Natural Gas Engine Fluid PETRO CANADA DURON GEO LD 15W40 (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number	0.0111	Client Info	Ennorton	GFL0106909	GFL0092171	GFL008465
	Sample Date		Client Info		11 Apr 2024	01 Feb 2024	06 Nov 202
	Machine Age	hrs	Client Info		56952	56406	0
	Oil Age	hrs	Client Info		600	35391	0
	Filter Age	hrs	Client Info		600	35391	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>50	8	8	13
	Chromium	ppm	ASTM D5185m	>4	<1	<1	0
Metal levels are typical for a new component breaking in.	Nickel	ppm	ASTM D5185m	>2	0	1	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>9	<1	2	0
	Lead	ppm	ASTM D5185m	>30	<1	1	0
	Copper	ppm	ASTM D5185m	>35	0	2	0
	Tin	ppm	ASTM D5185m	>4	1	1	0
	Vanadium	ppm	ASTM D5185m		0	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>+100	5	7	14
	Potassium	ppm	ASTM D5185m	>20	0	3	0
There is no indication of any contamination in the oil.	Water		WC Method	>0.1	NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0	1.1	0
	Nitration	Abs/cm	*ASTM D7624	>20	11.1	6.9	8.0
	Sulfation	Abs/.1mm	*ASTM D7415		21.8	19.5	19.3
	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 Emulsified Water	scalar	*Visual	NORML	NORML NEG	NORML NEG	NORN
		scalar	*Visual	>0.1	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		6	7	6
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		9	6	26
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		51	51	52
	Manganese	ppm	ASTM D5185m		<1	1	0
	Magnesium	ppm	ASTM D5185m		522	519	692
	Calcium	ppm	ASTM D5185m		1589	1481	1663
	Phosphorus	ppm	ASTM D5185m		663	650	888
	Zinc	ppm	ASTM D5185m		897	906	1092
	Sulfur	ppm	ASTM D5185m		2521	2315	2702
	Oxidation	ADS/.1mm	*ASTM D7414	>25	18.6	13.3	16.3

Base Number (BN) mg KOH/g ASTM D2896 10.2

ASTM D445 15.1

Visc @ 100°C cSt

8.5

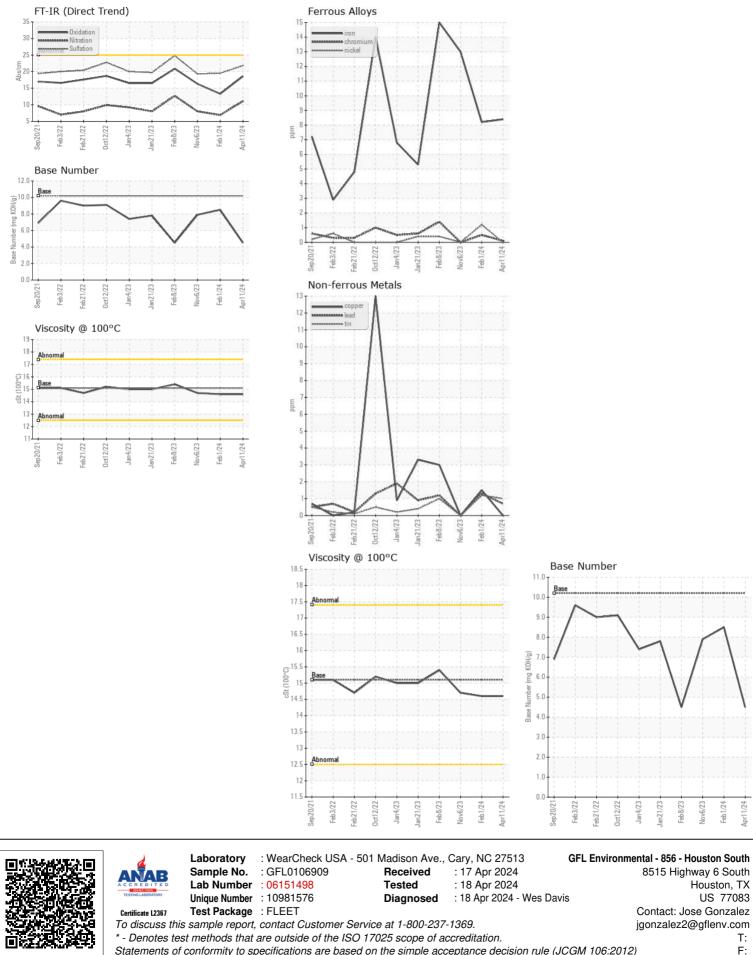
14.6

7.9

14.7

4.5

14.6



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