

(YA144053)

PETRO CANADA DURON GEO LD 15W40 (36 QTS)

2709C

Fluid

Component Diesel Engine

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

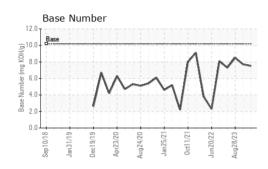


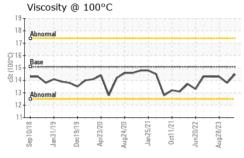


DIAGNOSIS	SAMPLE INFOR	RMATION	method				history2
Recommendation	Sample Number		Client Info		PCA0113458	PCA0101760	PCA0095835
Resample at the next service interval to monitor.	Sample Date		Client Info		25 Mar 2024	28 Feb 2024	28 Aug 2023
Vear	Machine Age	hrs	Client Info		329	150	13767
letal levels are typical for a new component	Oil Age	hrs	Client Info		329	1200	820
eaking in.	Oil Changed		Client Info		Changed	Changed	Changed
ontamination	Sample Status				NORMAL	NORMAL	NORMAL
here is no indication of any contamination in the I.	CONTAMINA	ΓΙΟΝ	method	limit/base	current	history1	history2
uid Condition	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
e BN result indicates that there is suitable	Water		WC Method	>0.2	NEG	NEG	NEG
alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Glycol		WC Method		NEG	NEG	NEG
	WEAR META	_S	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>90	7	10	2
	Chromium	ppm	ASTM D5185m	>20	<1	<1	0
	Nickel	ppm	ASTM D5185m	>2	0	<1	0
	Titanium	ppm	ASTM D5185m	>2	<1	<1	0
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	3	4	1
	Lead	ppm	ASTM D5185m	>40	<1	<1	0
	Copper	ppm	ASTM D5185m	>330	<1	<1	0
	Tin	ppm	ASTM D5185m	>15	0	<1	<1
	Vanadium	ppm	ASTM D5185m		<1	0	0
	Cadmium	ppm	ASTM D5185m		0	<1	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	50	38	32	52
	Barium	ppm	ASTM D5185m	5	0	0	0
	Molybdenum	ppm	ASTM D5185m	50	52	57	46
	Manganese	ppm	ASTM D5185m	0	<1	<1	<1
	Magnesium	ppm	ASTM D5185m	560	565	613	592
	Calcium	ppm	ASTM D5185m	1510	1663	1388	1655
	Phosphorus	ppm	ASTM D5185m	780	778	852	845
	Zinc	ppm	ASTM D5185m	870	905	1026	1045
	Sulfur	ppm	ASTM D5185m	2040	2900	2882	3326
	CONTAMINA	NTS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	17	20	3
	Sodium	ppm	ASTM D5185m		33	4	3
	Potassium	ppm	ASTM D5185m	>20	10	<1	2
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>6	0	0.1	0
	Nitration	Abs/cm	*ASTM D7624	>20	7.7	7.5	6.6
	Sulfation	Abs/.1mm	*ASTM D7415	>30	19.6	19.0	17.7
	FLUID DEGRA		method	limit/base	current	history1	history2
	Oxidation		*ASTM D7414	>25	16.2	15.8	14.2

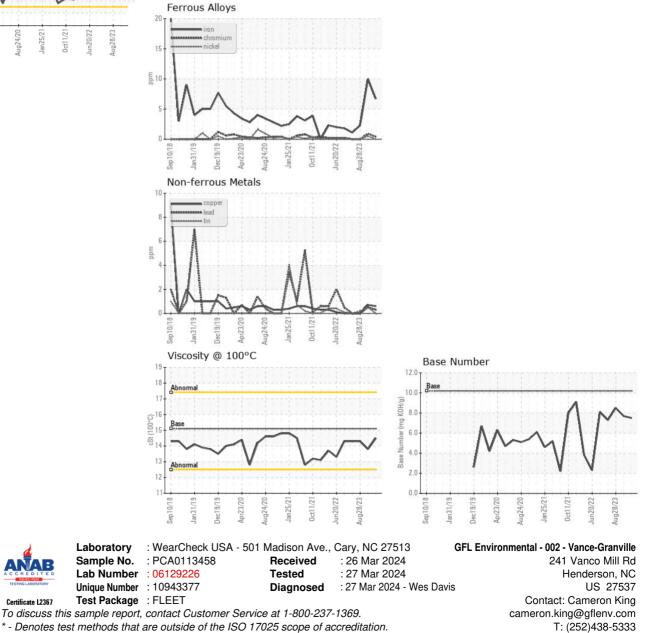


OIL ANALYSIS REPORT





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	15.1	14.5	13.8	14.3
GRAPHS						



* - 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)

Certificate L2367

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