

OIL ANALYSIS REPORT

Sample Rating Trend

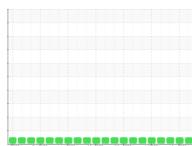
NORMAL



Area **166** 429073-26 Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- GAL)

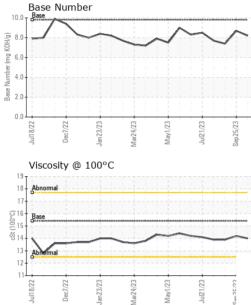




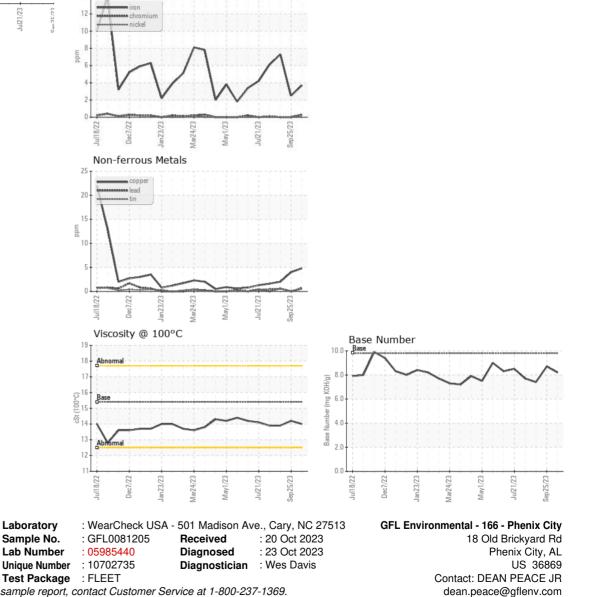
GNOSIS	SAMPLE INFOF	RMATION	method	limit/base	current	history1	history2
nmendation	Sample Number		Client Info		GFL0081205	GFL0087895	GFL0087862
nple at the next service interval to monitor.	Sample Date		Client Info		16 Oct 2023	25 Sep 2023	30 Aug 2023
	Machine Age	mls	Client Info		225296	221677	9340
nponent wear rates are normal.	Oil Age	mls	Client Info		0	0	600
mination	Oil Changed		Client Info		Changed	Not Changd	Changed
nere is no indication of any contamination in the I.	Sample Status				NORMAL	NORMAL	NORMAL
	CONTAMINA	ΓΙΟΝ	method	limit/base	current	history1	history2
uid Condition the BN result indicates that there is suitable talinity remaining in the oil. The condition of the is suitable for further service.	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
	Glycol		WC Method		NEG	NEG	NEG
	WEAR METAL	_S	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>120	4	2	7
	Chromium	ppm	ASTM D5185m	>20	<1	0	0
	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		<1	0	<1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		2	2	2
	Lead	ppm	ASTM D5185m		_ <1	0	<1
	Copper	ppm	ASTM D5185m		5	4	2
	Tin	ppm	ASTM D5185m		<1	0	<1
	Vanadium	ppm	ASTM D5185m		0	0	<1
	Cadmium	ppm	ASTM D5185m		<1	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	<1	0	<1
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m	60	58	64	65
	Manganese	ppm	ASTM D5185m	0	<1	0	<1
	Magnesium	ppm	ASTM D5185m		952	935	1071
	Calcium	ppm	ASTM D5185m	1070	1007	1018	1203
	Phosphorus	ppm	ASTM D5185m		1020	1042	1090
	Zinc	ppm	ASTM D5185m	1270	1238	1257	1391
	Sulfur	ppm	ASTM D5185m	2060	3076	3567	3669
	CONTAMINA	NTS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	6	4	6
	Sodium	ppm	ASTM D5185m		4	<1	5
	Potassium	ppm	ASTM D5185m	>20	2	2	2
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>4	0.2	0.1	0.4
	Nitration	Abs/cm	*ASTM D7624	>20	6.5	5.8	8.6
	Sulfation	Abs/.1mm	*ASTM D7415		18.1	18.1	19.9
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.2	14.3	16.1



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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	14.0	14.2	13.9
GRAPHS						
Ferrous Alloys						





Certificate L2367 Test Package : FLEET 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)

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