

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id 428049-402356

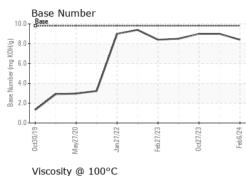
Component **Diesel Engine**

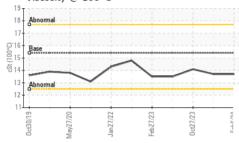
PETRO CANADA DURON SHP 15W40 (--- GAL)

DIAGNOSIS	SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
ecommendation	Sample Number		Client Info		GFL0103985	GFL0100488	GFL0093308
esample at the next service interval to monitor.	Sample Date		Client Info		06 Feb 2024	16 Nov 2023	27 Oct 2023
ear	Machine Age	hrs	Client Info		15733	15513	15353
component wear rates are normal.	Oil Age	hrs	Client Info		15733	15513	15353
	Oil Changed	1110	Client Info		Changed	Not Changd	Not Changd
ontamination	Sample Status				NORMAL	NORMAL	NORMAL
ere is no indication of any contamination in the	CONTAMINA		method	limit/base		history1	history2
luid Condition he BN result indicates that there is suitable	Fuel		WC Method				
					<1.0	<1.0	<1.0
alinity remaining in the oil. The condition of the	Water		WC Method	>0.2	NEG	NEG	NEG
is suitable for further service.	Glycol		WC Method		NEG	NEG	NEG
	WEAR META	_S	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m		12	8	5
	Chromium	ppm	ASTM D5185m		<1	1	<1
	Nickel	ppm	ASTM D5185m		0	1	<1
	Titanium	ppm	ASTM D5185m	>2	<1	1	0
	Silver	ppm	ASTM D5185m	>2	0	<1	<1
	Aluminum	ppm	ASTM D5185m	>20	3	2	1
	Lead	ppm	ASTM D5185m	>40	0	1	0
	Copper	ppm	ASTM D5185m	>330	<1	1	<1
	Tin	ppm	ASTM D5185m	>15	<1	1	0
	Vanadium	ppm	ASTM D5185m		<1	<1	0
	Cadmium	ppm	ASTM D5185m		0	1	<1
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	4	0	0
	Barium	ppm	ASTM D5185m	0	0	0	4
	Molybdenum	ppm	ASTM D5185m	60	62	53	60
	Manganese	ppm	ASTM D5185m	0	<1	1	0
	Magnesium	ppm	ASTM D5185m	1010	961	922	897
	Calcium	ppm	ASTM D5185m	1070	1160	1090	1065
	Phosphorus	ppm	ASTM D5185m		1032	1012	925
	Zinc	ppm	ASTM D5185m		1241	1299	1175
	Sulfur	ppm	ASTM D5185m		2974	2672	3112
	CONTAMINA	NTS	method	limit/base	current	history1	history2
	001174111						
	Silicon	ppm	ASTM D5185m		13	6	6
						6 4	
	Silicon	ppm	ASTM D5185m	>25	13		6
	Silicon Sodium	ppm ppm	ASTM D5185m ASTM D5185m	>25	13 18 4	4	6 0 2
	Silicon Sodium Potassium	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>25 >20 limit/base	13 18 4	4	6 0 2
	Silicon Sodium Potassium INFRA-RED	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method	>25 >20 limit/base >4	13 18 4 current 0.1	4 4 history1 0.2	6 0 2 history2 0.1
	Silicon Sodium Potassium INFRA-RED Soot %	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method *ASTM D7844 *ASTM D7624	>25 >20 limit/base >4 >20	13 18 4 current	4 4 history1	6 0 2 history2
	Silicon Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm ppm % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m ASTM D5185m method *ASTM D7844 *ASTM D7624 *ASTM D7415	>25 >20 limit/base >4 >20	13 18 4 current 0.1 6.9 18.9	4 4 history1 0.2 6.3	6 0 2 history2 0.1 5.3 18.2
	Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m ASTM D5185m method *ASTM D7844 *ASTM D7624 *ASTM D7415	>25 >20 limit/base >4 >20 >30 limit/base	13 18 4 current 0.1 6.9 18.9	4 4 0.2 6.3 19.0	6 0 2 history2 0.1 5.3

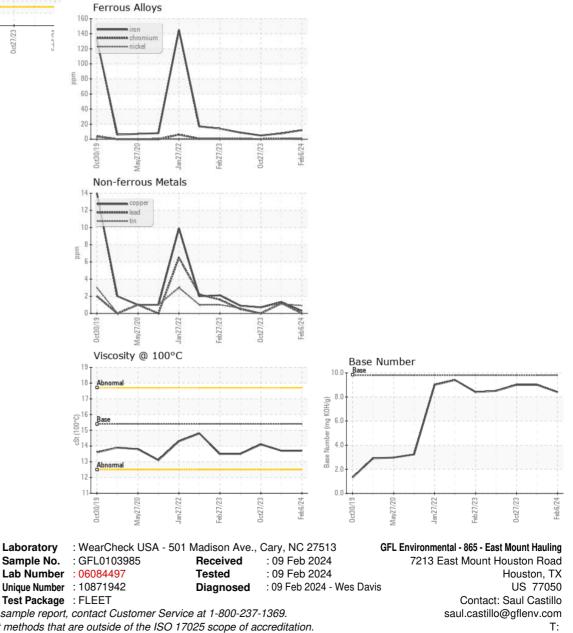


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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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	13.7	13.7	14.1
GRAPHS						





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)

Certificate L2367

Submitted By: TECHNICIAN ACCOUNT

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