

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id 729006-547 Component

Diesel Engine

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

DIAGNOSIS	SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
ecommendation	Sample Number		Client Info		GFL0108345	GFL0083852	GFL0047858
esample at the next service interval to monitor.	Sample Date		Client Info		04 Jan 2024	29 Jun 2023	28 Jul 2022
ear	Machine Age	hrs	Client Info		77100	77041	77041
component wear rates are normal.	Oil Age	hrs	Client Info		77100	77041	600
ontamination	Oil Changed		Client Info		N/A	N/A	Changed
here is no indication of any contamination in the il.	Sample Status				NORMAL	NORMAL	NORMAL
	CONTAMINA	TION	method	limit/base	current	history1	history2
lid Condition	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
BN result indicates that there is suitable	Water		WC Method		NEG	NEG	NEG
Ikalinity remaining in the oil. The condition of the il is suitable for further service.	Glycol		WC Method		NEG	NEG	NEG
	WEAR META	IS	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m		7	4	6
	Chromium	ppm	ASTM D5185m		0	0	<1
	Nickel	ppm	ASTM D5185m		0	0	<1
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>2	0	0	<1
	Aluminum	ppm	ASTM D5185m		<1	<1	2
	Lead	ppm	ASTM D5185m	>40	0	0	<1
	Copper	ppm	ASTM D5185m		<1	0	<1
	Tin	ppm	ASTM D5185m		<1	0	<1
	Vanadium	ppm	ASTM D5185m		<1	0	0
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	9	21	8
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m	60	54	59	56
	Manganese	ppm	ASTM D5185m	0	<1	0	<1
	Magnesium	ppm	ASTM D5185m	1010	929	885	878
	Calcium	ppm	ASTM D5185m	1070	1057	1121	1071
	Phosphorus	ppm	ASTM D5185m	1150	1057	1011	939
	Zinc	ppm	ASTM D5185m	1270	1241	1236	1181
	Sulfur	ppm	ASTM D5185m	2060	3101	3689	3377
	CONTAMINA	NTS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	3	1	4
	Sodium	ppm	ASTM D5185m		1	<1	1
	Potassium	ppm	ASTM D5185m	>20	<1	0	0
	INFRA-RED		method	limit/base	e current	history1	history2
	Soot %	%	*ASTM D7844	>4	0.2	0.1	0.3
	Nitration	Abs/cm	*ASTM D7624	>20	7.6	7.1	8.8
	Sulfation	Abs/.1mm	*ASTM D7415	>30	17.8	18.4	19.9
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.0	15.1	15.9

Base Number (BN) mg KOH/g ASTM D2896 9.8

Fluid

Report Id: GFL652 [WUSCAR] 06056544 (Generated: 01/11/2024 11:59:12) Rev: 1

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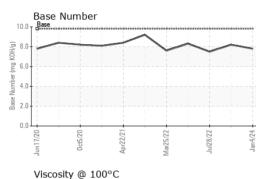
8.2

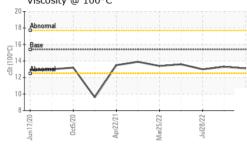
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7.5

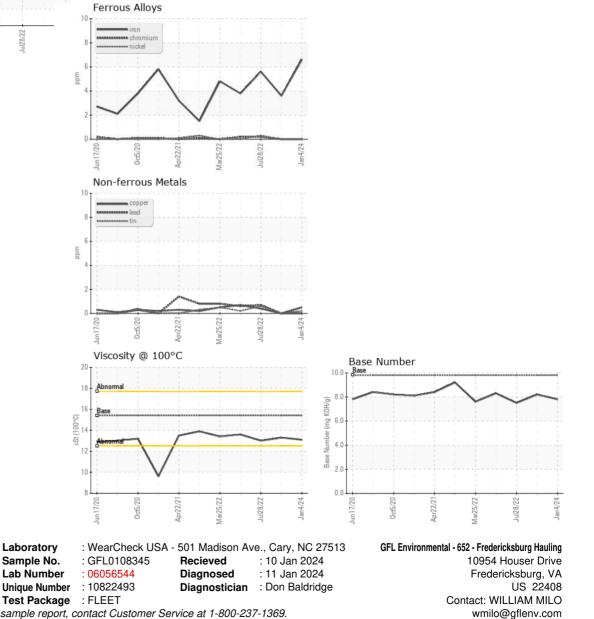


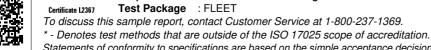
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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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	13.1	13.3	13.0
GRAPHS						





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