

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

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DIAGNOSIS	SAMPLE INFO	RMATION	method	limit/base	current	history1	history2
ecommendation	Sample Number		Client Info		GFL0088655	GFL0081891	GFL0091308
esample at the next service interval to monitor.	Sample Date		Client Info		22 Feb 2024	05 Jan 2024	28 Dec 2023
ear	Machine Age	mls	Client Info		114067	112085	110483
component wear rates are normal.	Oil Age	mls	Client Info		3584	1602	100780
Contamination There is no indication of any contamination in the oil.	Oil Changed		Client Info		Not Changd	Not Changd	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
	CONTAMINA	TION	method	limit/base	current	history1	history2
Fluid Condition The BN result indicates that there is suitable	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
calinity remaining in the oil. The condition of the	Water		WC Method	>0.2	NEG	NEG	NEG
oil is suitable for further service.	Glycol		WC Method		NEG	NEG	NEG
	WEAR META	LS	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>120	7	3	8
	Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
	Nickel	ppm	ASTM D5185m		<1	0	0
	Titanium	ppm	ASTM D5185m	>2	<1	0	<1
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	2	2	2
	Lead	ppm	ASTM D5185m	>40	0	0	0
	Copper	ppm	ASTM D5185m	>330	5	0	2
	Tin	ppm	ASTM D5185m	>15	<1	0	<1
	Vanadium	ppm	ASTM D5185m		0	0	0
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	4	3	2
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m	60	64	67	62
	Manganese	ppm	ASTM D5185m	0	<1	0	<1
	Magnesium	ppm	ASTM D5185m	1010	1004	1101	992
	Calcium	ppm	ASTM D5185m	1070	1087	1151	1113
	Phosphorus	ppm	ASTM D5185m		1062	1159	972
	Zinc	ppm	ASTM D5185m	1270	1299	1386	1315
	Sulfur	ppm	ASTM D5185m	2060	3374	3852	2984
	CONTAMINA	NTS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	6	4	8
	Sodium	ppm	ASTM D5185m		3	3	3
	Potassium	ppm	ASTM D5185m	>20	2	2	4
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>4	0.2	0.1	0.3
	Nitration	Abs/cm	*ASTM D7624	>20	6.1	5.2	7.8
	Sulfation	Abs/.1mm	*ASTM D7415	>30	18.0	17.9	18.8
	FLUID DEGRA	ADATION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.2	13.8	15.3

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

(3A04UPC) MONTGOMERY 420046 Component Diesel Engine

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

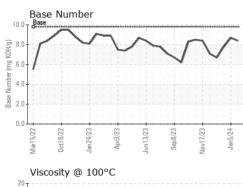
7.8

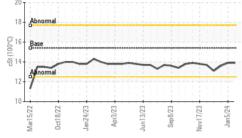
8.7

8.4

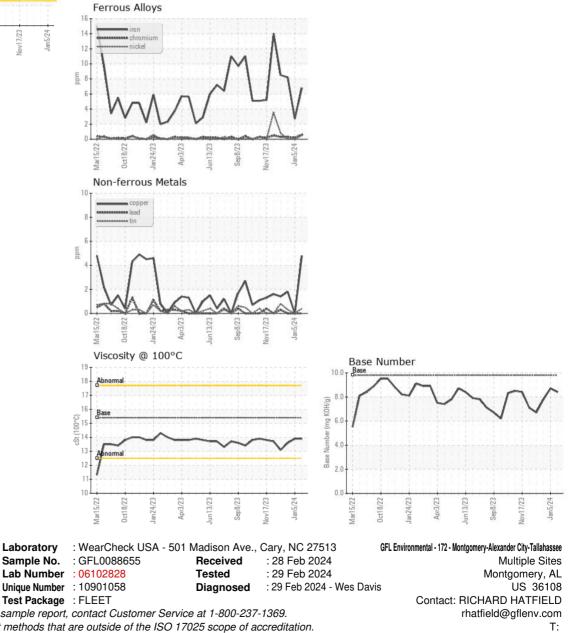


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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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	13.9	13.9	13.6
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

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