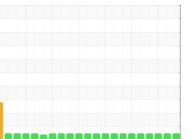


OIL ANALYSIS REPORT

Sample Rating Trend





3	SAMPLE INFOR		method	limit/base	current	history1	history2
				mmubase			
on tion is recommended at this time	Sample Number		Client Info		GFL0083143	GFL0083133	GFL0083103
tion is recommended at this time.	Sample Date	bre	Client Info		25 Sep 2023	31 Aug 2023	28 Jul 2023
	Machine Age Oil Age	hrs	Client Info Client Info		0	0	0
ear rates are normal.	Ū	hrs			0 N/A		
	Oil Changed		Client Info		N/A NORMAL	Not Changd NORMAL	Not Changd NORMAL
ligible. There is no indiration of	Sample Status				NORMAL	NORIVIAL	NORIVIAL
ligible. There is no indication of on in the oil.	CONTAMINAT	ION	method	limit/base	current	history1	history2
	Glycol		WC Method		NEG	NEG	NEG
dicates that there is suitable ing in the oil. The condition of the further service.	WEAR METAL	S	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>100	29	50	14
	Chromium	ppm	ASTM D5185m	>20	1	3	<1
	Nickel	ppm	ASTM D5185m	>4	0	2	0
	Titanium	ppm	ASTM D5185m		<1	<1	<1
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	5	6	5
	Lead	ppm	ASTM D5185m	>40	<1	<1	0
	Copper	ppm	ASTM D5185m	>330	15	3	<1
	Tin	ppm	ASTM D5185m	>15	2	0	<1
	Vanadium	ppm	ASTM D5185m		0	<1	0
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	1	22	2
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m	60	70	55	61
	Manganese	ppm	ASTM D5185m		2	<1	<1
	Magnesium	ppm	ASTM D5185m	1010	959	729	1025
	Calcium	ppm	ASTM D5185m	1070	1295	1454	1095
	Phosphorus	ppm	ASTM D5185m	1150	1072	842	1088
	Zinc	ppm	ASTM D5185m	1270	1359	1053	1346
	Sulfur	ppm	ASTM D5185m	2060	2515	2989	3842
	CONTAMINAN	ITS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	8	13	6
	Sodium	ppm	ASTM D5185m		5	14	2
	Potassium	ppm	ASTM D5185m	>20	8	1	0
	Fuel	%	ASTM D3524	>5	0.3	<1.0	<1.0
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>3	0.4	1.4	1.3
	Nitration	Abs/cm			8.4	8.8	9.0
	Sulfation	Abs/.1mm	*ASTM D7415		19.7	21.2	20.8
	FLUID DEGRA		method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	15.8	15.1	15.8
	Base Number (BN)				8.3	7.8	9.9
			DLOUU	5.0			0.0

Machine Id 11252 Component Diesel Engine

PETRO CANADA DURON SHP 15W40 (16 GAL)

DIAGNOSIS

Recommendatio

No corrective action Resample at the r

Wear

All component we

Contamination

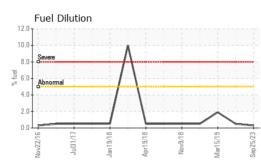
Fuel content negli any contamination

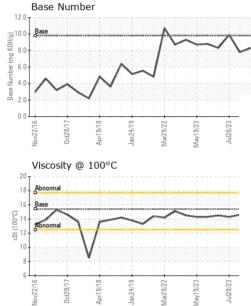
Fluid Condition

The BN result indi alkalinity remainin oil is suitable for f



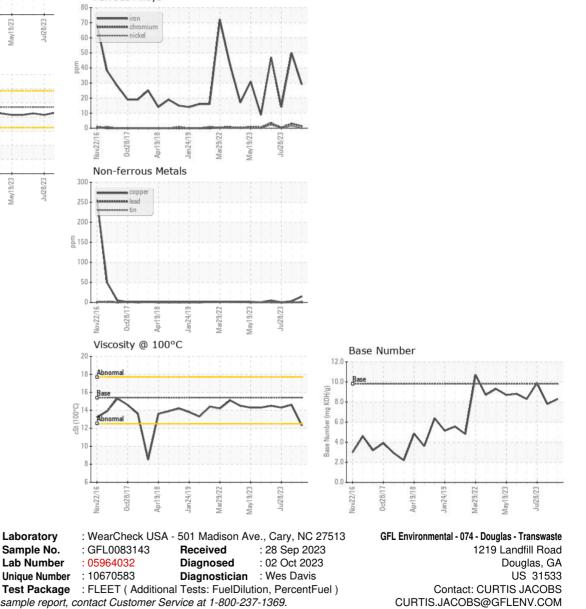
OIL ANALYSIS REPORT





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	15.4	12.3	14.6	14.3
GRAPHS						

Ferrous Alloys





 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 CUR

 * - 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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F:

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