

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Resample at the next service interval to monitor.

There is no indication of any contamination in the

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the

All component wear rates are normal.

oil is suitable for further service.

DIAGNOSIS Recommendation

Contamination

Fluid Condition

Wear

oil.

Area MONTGOMERY Machine Id MACK 913008

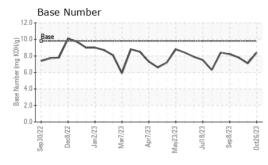
Component Diesel Engine Fluid

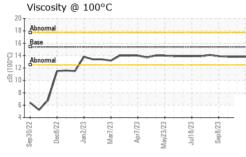
PETRO CANADA DURON SHP 15W40 (--- GAL

	GAL)	102022 Dec20	22 Jan2023 Mar2023	Apr2023 May2023 Jul2023 Sep	2023 Oct202	
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0092398	GFL0092379	GFL0089903
Sample Date		Client Info		26 Oct 2023	10 Oct 2023	21 Sep 2023
Machine Age	hrs	Client Info		3552	3416	4410
Dil Age	hrs	Client Info		0	3416	1660
Dil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	TION	method	limit/base	current	history1	history2
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
ron	ppm	ASTM D5185m	>120	6	13	9
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	<1	<1	<1
Fitanium	ppm	ASTM D5185m	>2	<1	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	4	2	3
_ead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m	>330	2	7	5
Γin	ppm	ASTM D5185m	>15	<1	<1	<1
/anadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	4	1	1
Barium	ppm	ASTM D5185m	0	<1	0	0
Volybdenum	ppm	ASTM D5185m	60	85	63	60
Vanganese	ppm	ASTM D5185m	0	0	<1	<1
Magnesium	ppm	ASTM D5185m	1010	1291	953	991
Calcium	ppm	ASTM D5185m	1070	1365	1052	1068
Phosphorus	ppm	ASTM D5185m	1150	1351	979	1003
Zinc	ppm	ASTM D5185m	1270	1637	1168	1257
Sulfur	ppm	ASTM D5185m	2060	4634	2665	2912
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	7	8	7
Sodium	ppm	ASTM D5185m		6	7	4
Potassium	ppm	ASTM D5185m	>20	3	0	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.2	0.5	0.5
Nitration	Abs/cm	*ASTM D7624	>20	6.3	8.6	8.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.6	20.6	21.0
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Dxidation	Abs/.1mm	*ASTM D7414	>25	14.6	16.9	17.6
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.4	7.1	7.8

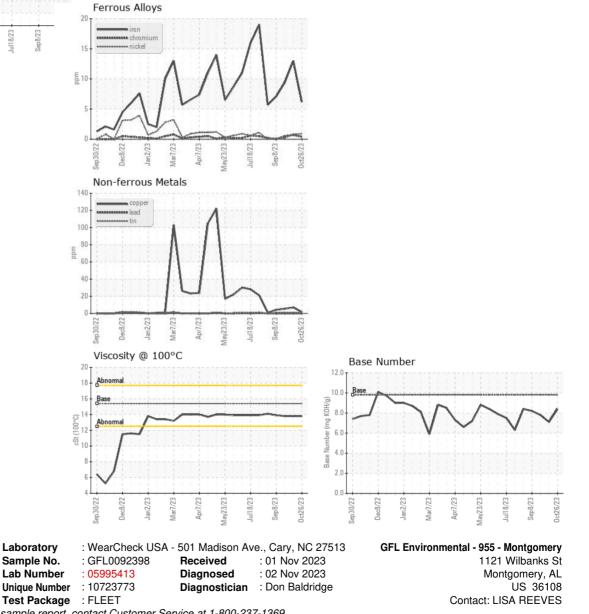


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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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	13.8	13.8	13.8
GRAPHS						





Certificate 12367 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)