

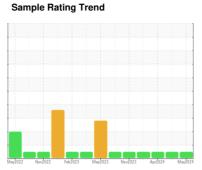
OIL ANALYSIS REPORT



(62A1N7N) MONTGOMERY **MACK 428088**

Diesel Engine

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





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

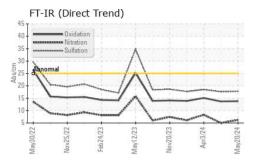
Fluid Condition

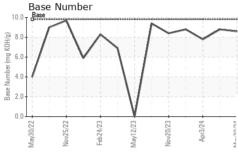
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

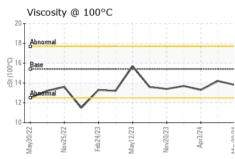
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0080677	GFL0089936	GFL0080693
Sample Date		Client Info		20 May 2024	11 Apr 2024	03 Apr 2024
Machine Age	mls	Client Info		261468	255113	11570
Oil Age	mls	Client Info		250804	244449	906
Oil Changed		Client Info		Not Changd	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	5	2	9
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	<1	2
Lead	ppm	ASTM D5185m	>40	1	<1	0
Copper	ppm	ASTM D5185m	>330	<1	<1	2
Tin	ppm	ASTM D5185m	>15	<1	<1	0
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	7	7	5
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	61	58	62
Manganese	ppm	ASTM D5185m	0	<1	0	0
Magnesium	ppm	ASTM D5185m	1010	989	922	1021
Calcium	ppm	ASTM D5185m	1070	1063	1058	1164
Phosphorus	ppm	ASTM D5185m	1150	1107	1004	1109
Zinc	ppm	ASTM D5185m	1270	1269	1212	1328
Sulfur	ppm	ASTM D5185m	2060	3660	3607	4081
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm		>25	4	2	5
Sodium	ppm	ASTM D5185m		1	3	2
Potassium	ppm	ASTM D5185m	>20	2	13	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.3	0.1	0.4
Nitration	Abs/cm	*ASTM D7624	>20	6.2	5.0	8.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.8	17.6	18.5
	ATION	method	limit/base	current	history1	history2
FLUID DEGRA	JATION	memou	IIIIII/Dase	Current	Thotory	riiotoryz
FLUID DEGRAD	Abs/.1mm	*ASTM D7414	>25	13.8	13.7	15.1



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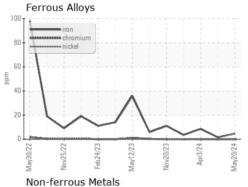


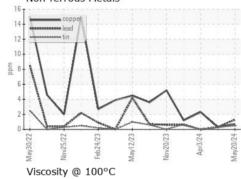


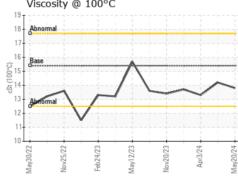
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

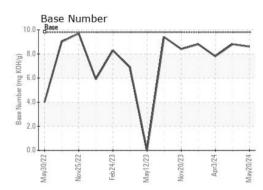
FLUID PROPI	ERHES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.8	14.2	13.3

GRAPHS













Certificate 12367

Laboratory Sample No.

Test Package : FLEET

: GFL0080677 Lab Number : 06187192 Unique Number : 11043944

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received

: 21 May 2024 **Tested** : 22 May 2024 Diagnosed : 22 May 2024 - Wes Davis

GFL Environmental - 955 - Montgomery 1121 Wilbanks St Montgomery, AL US 36108

Contact: LISA REEVES

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)

Report Id: GFL955 [WUSCAR] 06187192 (Generated: 05/22/2024 17:32:18) Rev: 1

Submitted By: Lisa Reeves

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