

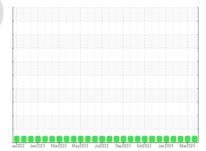
OIL ANALYSIS REPORT



MONTGOMERY
Machine Id
MacK 420040

Diesel Engine

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



Sample Rating Trend



NORMAL

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

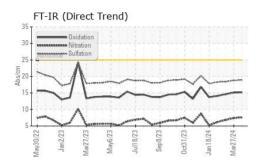
Fluid Condition

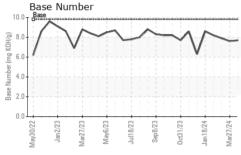
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

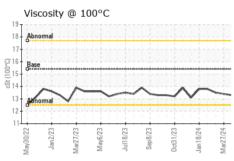
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0083556	GFL0115609	GFL0115578
Sample Date		Client Info		03 Apr 2024	27 Mar 2024	12 Mar 2024
Machine Age	hrs	Client Info		9742	9699	9594
Oil Age	hrs	Client Info		535	492	9594
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	NC	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 METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	8	7	6
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
	ppm	ASTM D5185m	>5	<1	2	0
	ppm	ASTM D5185m	>2	0	0	0
	ppm	ASTM D5185m	>2	0	0	0
	ppm	ASTM D5185m	>20	2	3	2
	ppm	ASTM D5185m	>40	0	<1	<1
	ppm		>330	<1	0	<1
	ppm	ASTM D5185m	>15	0	<1	<1
	ppm	ASTM D5185m	710	0	0	0
		ASTM D5185m		0	0	0
	ppm		li.ee:t/le = = =			
ADDITIVES		method	limit/base	current	history1	history2
	ppm	ASTM D5185m	0	2	4	5
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	62	57	58
Manganese	ppm	ASTM D5185m	0	0	<1	<1
Magnesium	ppm	ASTM D5185m	1010	1069	946	925
Calcium	ppm	ASTM D5185m	1070	1169	1051	1004
Phosphorus	ppm	ASTM D5185m	1150	1114	1022	1023
Zinc	ppm	ASTM D5185m	1270	1398	1268	1217
Sulfur	ppm	ASTM D5185m	2060	3992	3413	3359
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	5	5
Sodium	ppm	ASTM D5185m		2	3	2
Potassium	ppm	ASTM D5185m	>20	2	3	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.3	0.3	0.3
Nitration	Abs/cm	*ASTM D7624	>20	7.6	7.4	6.8
	Abs/.1mm	*ASTM D7415	>30	18.9	18.8	18.4
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.2	15.1	14.6
	mg KOH/g	ASTM D2896		7.7	7.6	7.9
	99					



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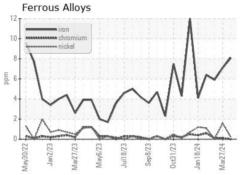


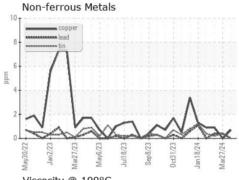


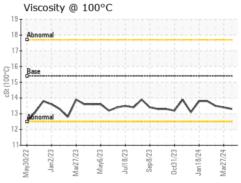
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

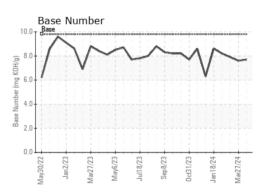
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.3	13.4	13.5

GRAPHS













Certificate 12367

Laboratory Sample No.

Test Package : FLEET

: GFL0083556 Lab Number : 06139728 Unique Number : 10964536

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

Received **Tested**

: 06 Apr 2024 Diagnosed : 06 Apr 2024 - Wes Davis

: 05 Apr 2024

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] 06139728 (Generated: 04/06/2024 04:33:20) Rev: 1

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