

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

10688C AUTOCAR ACX

Natural Gas Engine

PETRO CANADA DURON SHP 15W40 (28 QTS)

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.

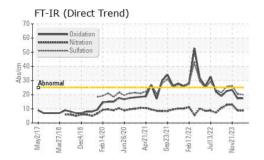
QTS) 1/2011 Maz2016 Feb2019 Apr2020 Maz2021 Sep2021 Apr2022 Jun2023						
SAMPLE INFOF	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0117403	GFL0117529	GFL0094754
Sample Date		Client Info		13 Jun 2024	04 Jun 2024	21 Nov 2023
Machine Age	hrs	Client Info		19000	18834	17979
Oil Age	hrs	Client Info		166	855	205
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	TION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	11	13	17
Chromium	ppm	ASTM D5185m	>4	<1	<1	1
Nickel	ppm	ASTM D5185m	>2	<1	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	2	4	3
Lead	ppm	ASTM D5185m	>30	0	6	4
Copper	ppm	ASTM D5185m	>35	2	2	2
Tin	ppm	ASTM D5185m	>4	<1	1	<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	33	32	10
Barium	ppm	ASTM D5185m	0	9	8	0
Molybdenum	ppm	ASTM D5185m	60	45	53	57
Manganese	ppm	ASTM D5185m	0	2	1	<1
Magnesium	ppm	ASTM D5185m	1010	740	692	642
Calcium	ppm	ASTM D5185m	1070	1248	1389	1787
Phosphorus	ppm	ASTM D5185m	1150	757	717	843
Zinc	ppm	ASTM D5185m	1270	901	953	1069
Sulfur	ppm	ASTM D5185m	2060	2796	2569	2533
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	25	19	12
Sodium	ppm	ASTM D5185m		4	<1	9
Potassium	ppm	ASTM D5185m	>20	3	5	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	8.7	8.8	13.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.0	20.5	26.2
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.4	17.3	23.4
Dana Number (DNI)		A OTA A DOGGO	0.0	0.0	E 7	0.6

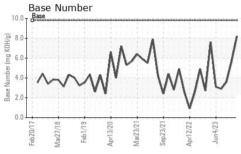
Base Number (BN) mg KOH/g ASTM D2896 9.8

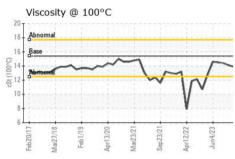
8.2



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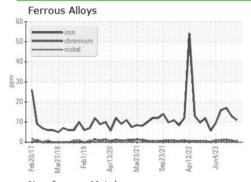


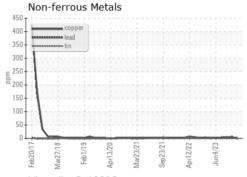


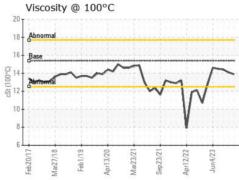
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

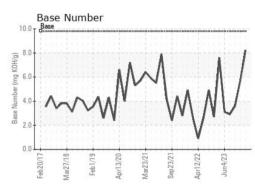
FLUID PROPI	ERIIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.9	14.1	14.4

GRAPHS













Laboratory

Sample No. Lab Number : 06211393 Unique Number : 11084257

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0117403 Received

: 17 Jun 2024 **Tested** : 18 Jun 2024 Diagnosed : 18 Jun 2024 - Angela Borella

3741 Conquest Drive Garner, NC US 27529

Test Package : FLEET Certificate 12367 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.

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Contact: Craig Johnson

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: GFL001 [WUSCAR] 06211393 (Generated: 06/19/2024 06:26:39) Rev: 1

Submitted By: aka Keith - Ronald Gregory

GFL Environmental - 001 - Raleigh(CNG)