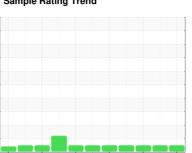


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



812014 AUTOCAR ACX64

Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- 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

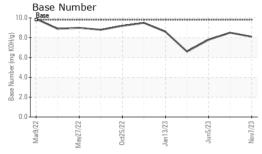
Fluid Condition

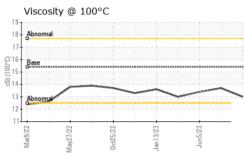
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

x13)		Mar2022	May2022 Oct2022	Jan2023 Jun2023	Nov2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0094712	GFL0089355	GFL0056700
Sample Date		Client Info		07 Nov 2023	18 Aug 2023	05 Jun 2023
Machine Age	hrs	Client Info		4694	4124	3615
Oil Age	hrs	Client Info		570	509	371
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	17	14	10
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	12	19	7
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m	>330	<1	0	<1
Tin	ppm	ASTM D5185m	>15	0	0	0
Vanadium	ppm	ASTM D5185m	710	0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<1	2	4
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	60	76	62
Manganese	ppm	ASTM D5185m	0	0	0	<1
Magnesium	ppm	ASTM D5185m	1010	919	1177	876
Calcium	ppm	ASTM D5185m	1070	1053	1317	1084
Phosphorus	ppm	ASTM D5185m	1150	972	1277	997
Zinc	ppm	ASTM D5185m	1270	1223	1695	1197
Sulfur	ppm	ASTM D5185m	2060	3097	4994	2814
CONTAMINAN		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	3	3
Sodium	ppm	ASTM D5185m	720	3	1	2
Potassium	ppm	ASTM D5185m	>20	13	20	11
INFRA-RED	''	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.6	0.4	0.3
Nitration	Abs/cm	*ASTM D7624		8.6	7.9	7.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.3	19.1	19.7
FLUID DEGRAI		method	limit/base	current	history1	history2
		*ASTM D7414				· ·
Oxidation	Abs/.1mm		>25	15.5	15.1	16.5
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.1	8.5	7.8



OIL ANALYSIS REPORT

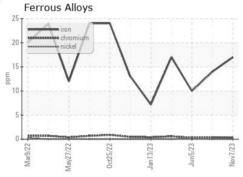


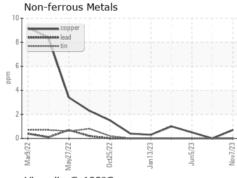


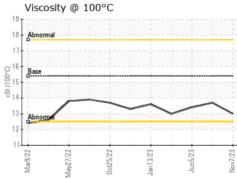
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

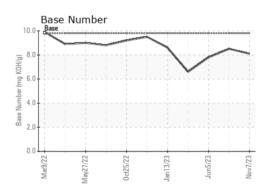
FLUID PROPERTIES		method				history2	
Visc @ 100°C	cSt	ASTM D445	15.4	13.0	13.7	13.4	

GRAPHS













Certificate L2367

Laboratory Sample No.

Lab Number Unique Number : 10729605 Test Package : FLEET

: GFL0094712 : 06001245

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 08 Nov 2023

Diagnosed Diagnostician : Wes Davis

: 08 Nov 2023

GFL Environmental - 001 - Raleigh(CNG) 3741 Conquest Drive Garner, NC

US 27529 Contact: Craig Johnson

craig.johnson@gflenv.com T: (919)662-7100

* - 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)

F: (919)662-7130