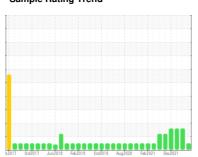


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **3740** Component **Diesel Engine**

PETRO CANADA DURON SHP 15W40 (10 C

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

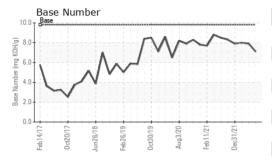
Fluid Condition

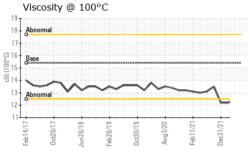
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

GAL)		62017 Oct20	17 Jun2018 Feb2019	Oct2019 Aug 2020 Feb 2021	Dec2021	
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0109094	GFL0057658	GFL0042690
Sample Date		Client Info		23 Jan 2024	17 Nov 2022	04 Feb 2022
Machine Age	hrs	Client Info		17385	15674	13290
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	ABNORMAL	ABNORMAL
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	0.0
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>165	15	14	19
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m	>2	0	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	1
Aluminum	ppm	ASTM D5185m	>20	1	1	6
Lead	ppm	ASTM D5185m	>150	<1	3	2
Copper	ppm	ASTM D5185m	>90	2	<1	2
Tin	ppm	ASTM D5185m	>5	<1	<1	<1
Antimony	ppm	ASTM D5185m				0
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	20	8	13
Barium	ppm	ASTM D5185m	0	0	0	<1
Molybdenum	ppm	ASTM D5185m	60	65	74	71
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	837	795	760
Calcium	ppm	ASTM D5185m	1070	1173	1025	1031
Phosphorus	ppm	ASTM D5185m	1150	996	899	929
Zinc	ppm	ASTM D5185m	1270	1199	1135	971
Sulfur	ppm	ASTM D5185m	2060	2986	3093	2137
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	14	9	10
Sodium	ppm	ASTM D5185m		37	▲ 321	<u>▲</u> 238
Potassium	ppm	ASTM D5185m	>20	10	2	3
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>7.5	0.5	0.5	0.7
Nitration	Abs/cm	*ASTM D7624	>20	8.9	11.3	8.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.3	23.0	20.1
FLUID DEGRA	NOITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.5	17.7	14.1
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.1	7.9	8



OIL ANALYSIS REPORT

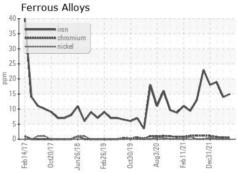


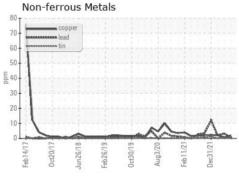


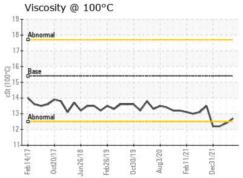
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

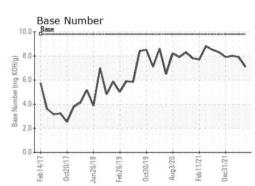
FLUID PROPERTIES		method			history1	history2	
Visc @ 100°C	cSt	ASTM D445	15.4	12.7	12.4	12.2	

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number

: GFL0109094 : 06072071 Unique Number : 10848748 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 26 Jan 2024 Diagnosed : 29 Jan 2024

Diagnostician : Wes Davis

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)

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Contact: Eric Jones erjones@gflenv.com T: (678)630-9927