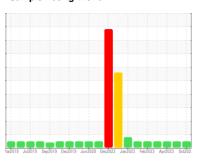


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 426077-402305

Component

Diesel Engine

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

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

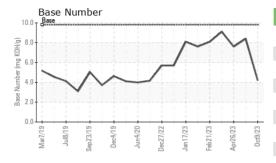
Fluid Condition

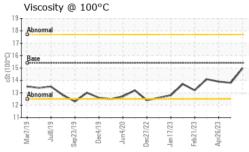
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

JAL)		far2019 Jul201	9 Sep2019 Dec2019 Jun2	020 Dec2022 Jan2023 Feb2023 Ap	or2023 Oct202	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0084606	GFL0078136	GFL0078171
Sample Date		Client Info		09 Oct 2023	08 May 2023	26 Apr 2023
Machine Age	mls	Client Info		0	323858	322513
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Not Changd
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	>110	7	29	23
Chromium	ppm	ASTM D5185m	>4	<1	1	<1
Nickel	ppm	ASTM D5185m	>2	1	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	4	6	5
Lead	ppm	ASTM D5185m	>45	4	3	0
Copper	ppm	ASTM D5185m		<1	12	11
Tin	ppm	ASTM D5185m	>4	1	<1	0
Vanadium	ppm	ASTM D5185m	7	0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
	ррпп		lineit/lenen			
ADDITIVES		method	limit/base		history1	history2
Boron	ppm	ASTM D5185m	0	8	<1	0
Barium	ppm	ASTM D5185m	0	0	2	0
Molybdenum	ppm	ASTM D5185m	60	56	65	63
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	627	979	1019
Calcium	ppm	ASTM D5185m	1070	1718	1217	1232
Phosphorus	ppm	ASTM D5185m	1150	750	1087	1106
Zinc	ppm	ASTM D5185m	1270	1031	1304	1331
Sulfur	ppm	ASTM D5185m	2060	2541	3300	3531
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	5	11	9
Sodium	ppm	ASTM D5185m		9	4	4
Potassium	ppm	ASTM D5185m	>20	2	13	8
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0	0.7	0.6
Nitration	Abs/cm	*ASTM D7624	>20	11.7	8.3	7.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.7	20.7	18.1
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.5	15.5	14.3
Base Number (BN)	mg KOH/g			4.2	8.4	7.6
(214)						



OIL ANALYSIS REPORT

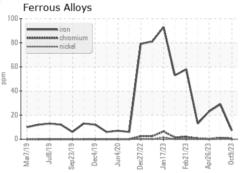


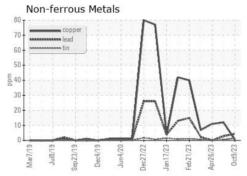


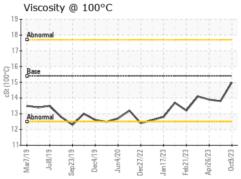
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

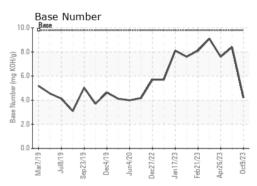
FLUID PROPE	RTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	15.0	13.8	13.9

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10686635 Test Package : FLEET

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

: GFL0084606 : 05974685

Received Diagnosed

: 10 Oct 2023 : 12 Oct 2023 Diagnostician : Don Baldridge GFL Environmental - 856 - Houston South

8515 Highway 6 South Houston, TX US 77083

Contact: Gino Griego

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)

T:

F: