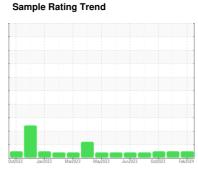


OIL ANALYSIS REPORT

(C0501064) 812043

Component **Diesel Engine**

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





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

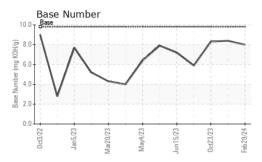
Fluid Condition

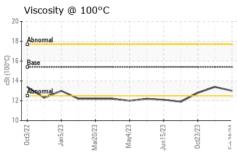
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

		OctZ0ZZ J	anzuza Marzuza	May2023 Jun2023 Oct2023	Feb2024		
SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0112347	GFL0107232	GFL0091428	
Sample Date		Client Info		29 Feb 2024	08 Jan 2024	23 Oct 2023	
Machine Age	nrs	Client Info		9836	5570	5154	
Oil Age	nrs	Client Info		159	139	246	
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINATIO	N	method	limit/base	current	history1	history2	
Fuel		WC Method	>5	<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 p	opm	ASTM D5185m	>100	7	2	7	
	opm	ASTM D5185m	>20	<1	0	<1	
	opm	ASTM D5185m	>4	<1	<1	<1	
	opm	ASTM D5185m		<1	0	<1	
	opm	ASTM D5185m	>3	0	0	0	
·	opm	ASTM D5185m	>20	2	2	2	
	opm	ASTM D5185m	>40	0	0	<1	
	opm	ASTM D5185m	>330	<1	0	<1	
	opm	ASTM D5185m	>15	<1	<1	0	
'		ASTM D5105m	>10	<1	<1	0	
	opm	ASTM D5185m		<1	0	<1	
	opm						
ADDITIVES		method	limit/base	current	history1	history2	
	opm	ASTM D5185m	0	15	<1	9	
	opm		0	0	0	3	
Molybdenum	opm	ASTM D5185m	60	64	56	63	
Manganese p	opm	ASTM D5185m	0	<1	<1	0	
Magnesium	opm	ASTM D5185m	1010	862	917	814	
Calcium	opm	ASTM D5185m	1070	1003	985	1071	
Phosphorus p	opm	ASTM D5185m	1150	1020	976	1009	
Zinc	opm	ASTM D5185m	1270	1182	1221	1156	
Sulfur	opm	ASTM D5185m	2060	3108	2975	3538	
CONTAMINANT	S	method	limit/base	current	history1	history2	
Silicon	opm	ASTM D5185m	>25	4	2	3	
Sodium	opm	ASTM D5185m		3	0	<1	
Potassium	opm	ASTM D5185m	>20	4	0	4	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	0.2	0.2	0.3	
Nitration /	Abs/cm	*ASTM D7624	>20	5.6	5.3	5.6	
Sulfation /	Abs/.1mm	*ASTM D7415	>30	17.5	17.2	17.1	
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation /	Abs/.1mm	*ASTM D7414	>25	12.5	12.6	12.2	
	ng KOH/g	ASTM D2896	9.8	8.0	8.4	8.3	
	0 5						



OIL ANALYSIS REPORT

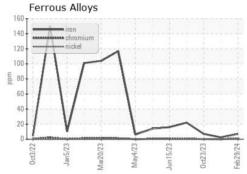


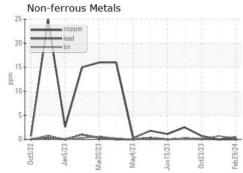


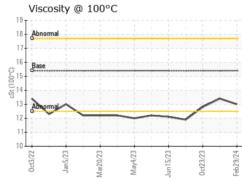
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

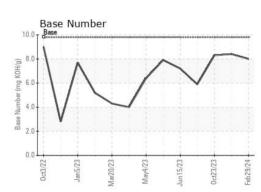
FLUID PROPE	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.0	13.4	12.8

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number : 06105707

Test Package : FLEET

: GFL0112347 Unique Number: 10903937

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 01 Mar 2024 **Tested**

: 01 Mar 2024 Diagnosed : 01 Mar 2024 - Wes Davis

GFL Environmental - 010 - Stockbridge

1280 Rum Creek Parkway

Stockbridge, GA US 30281

Contact: TECHNICIAN ACCOUNT wcgfldemo@gmail.com

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: