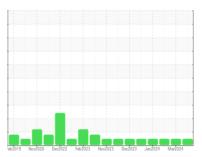


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **727066-310046**

Component **Diesel Engine**

PETRO CANADA DURON SHP 15W40 (8 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.

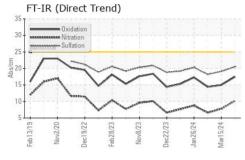
Fluid Condition

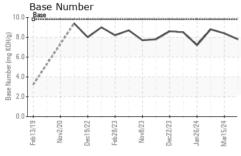
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

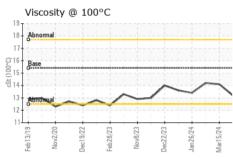
OAMBLE INCORN	4 A TION		11 1.0			111
SAMPLE INFORM	1A HON	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0112228	GFL0112216	GFL0098684
Sample Date		Client Info		05 Apr 2024	15 Mar 2024	23 Feb 2024
Machine Age	hrs	Client Info		17314	17177	17041
Oil Age	hrs	Client Info		150	150	150
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	ON	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	3	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	20	11	7
Chromium	ppm	ASTM D5185m	>20	2	<1	<1
Nickel	ppm	ASTM D5185m	>4	1	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	4	2	2
Lead	ppm	ASTM D5185m	>40	1	0	0
Copper	ppm	ASTM D5185m	>330	1	<1	<1
Tin	ppm	ASTM D5185m	>15	1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	<1	1
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	60	60	57
Manganese	ppm	ASTM D5185m	0	<1	0	<1
Magnesium	ppm	ASTM D5185m	1010	976	933	949
Calcium	ppm	ASTM D5185m	1070	1124	1076	1006
Phosphorus	ppm	ASTM D5185m	1150	1069	1014	1010
Zinc	ppm	ASTM D5185m	1270	1283	1247	1255
Sulfur	ppm	ASTM D5185m	2060	3309	3146	3341
CONTAMINANT	ΓS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8	5	4
Sodium	ppm	ASTM D5185m		7	4	4
Potassium	ppm	ASTM D5185m	>20	3	2	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.8	0.5	0.3
Nitration	Abs/cm	*ASTM D7624	>20	10.2	7.8	6.6
Sulfation	Abs/.1mm	*ASTM D7415		20.5	19.1	18.2
FLUID DEGRADATION method limit/base current history1 history2						
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.5	15.0	14.4
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.8	8.4	8.8
= 3.30 . (2.1.00)			3.0		Ü.,	0.0



OIL ANALYSIS REPORT



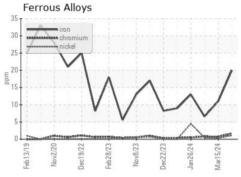




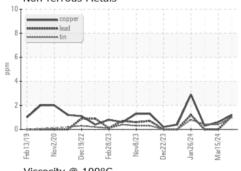
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

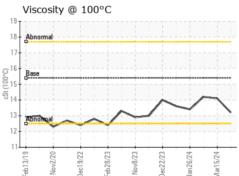
FLUID PROPERTIES		method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.2	14.1	14.2

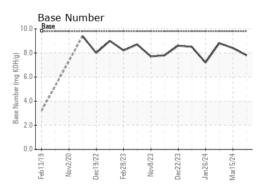
GRAPHS















Certificate 12367

Laboratory Sample No.

Test Package : FLEET

: GFL0112228 Lab Number : 06143632 Unique Number : 10968440

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 09 Apr 2024 **Tested** : 10 Apr 2024 Diagnosed

: 10 Apr 2024 - Wes Davis

GFL Environmental - 829 - Wilco Hauling 5054 Highway HH Hartville, MO US 65667

Contact: James Jones james.jones@gflenv.com

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

T: (417)349-5006

* - 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)