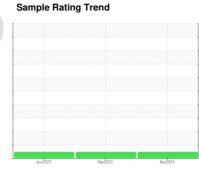


OIL ANALYSIS REPORT

Area (**P4768A**) 945029

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

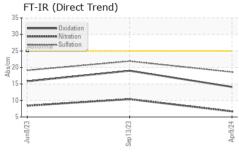
Fluid Condition

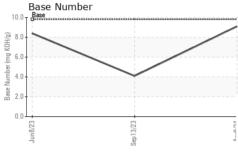
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

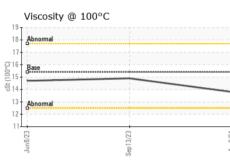
JAL)		30	12023	Sepzuza Aprzu	24	
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0096050	GFL0071771	GFL0071749
Sample Date		Client Info		09 Apr 2024	13 Sep 2023	08 Jun 2023
Machine Age	hrs	Client Info		24884	6322	5608
Oil Age	hrs	Client Info		600	600	600
Oil Changed		Client Info		Changed	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ΓΙΟΝ	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	NEG
WEAR METAL	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>75	10	8	8
Chromium	ppm	ASTM D5185m	>5	0	<1	0
Nickel	ppm	ASTM D5185m	>4	2	<1	0
Titanium	ppm	ASTM D5185m	>2	0	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>15	8	3	1
Lead	ppm	ASTM D5185m	>25	0	3	0
Copper	ppm	ASTM D5185m	>100	0	9	5
Tin	ppm	ASTM D5185m	>4	<1	1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	4	3	31
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	59	54	51
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	849	549	564
Calcium	ppm	ASTM D5185m	1070	1078	1760	1695
Phosphorus	ppm	ASTM D5185m	1150	1029	688	792
Zinc	ppm	ASTM D5185m	1270	1194	979	997
Sulfur	ppm	ASTM D5185m	2060	3518	2776	3065
CONTAMINANTS method limit/base current history1 history2						
Silicon	ppm	ASTM D5185m	>25	5	4	5
Sodium	ppm	ASTM D5185m		7	9	5
Potassium	ppm	ASTM D5185m	>20	8	5	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.8	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	6.7	10.4	8.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.6	21.9	19.1
FLUID DEGRADATION method limit/base current history1 history2						
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.1	19.0	15.8
Base Number (BN)	mg KOH/g	ASTM D2896		9.1	4.1	8.4
= 3.00 · (a.11001 (b)14)	91101119		3.0	VII.		0



OIL ANALYSIS REPORT



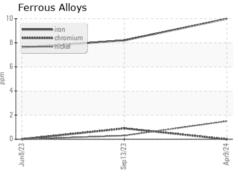


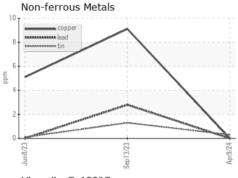


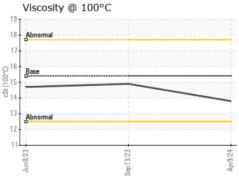
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

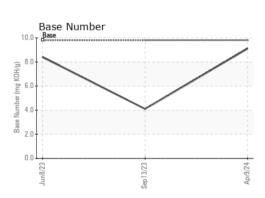
FLUID PROPE	:RHES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.8	14.9	14.7

GRAPHS













Certificate 12367

Laboratory Sample No.

: GFL0096050

Lab Number : 06145043 Unique Number : 10969851

Test Package : FLEET

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

Tested : 11 Apr 2024 Diagnosed : 11 Apr 2024 - Wes Davis

GFL Environmental - 883 - Orange City

1378 South Volusia Ave Orange City, FL US 32763

Contact: Kenneth Pearce kpearce@gflenv.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: