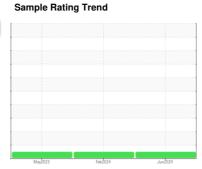


OIL ANALYSIS REPORT



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

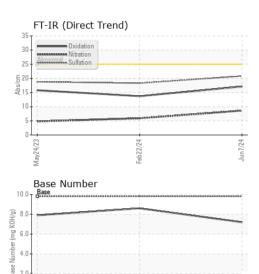
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

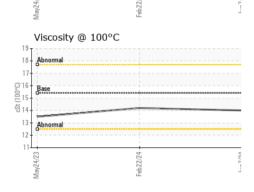
SAMPLE INFOR	RMATION		limit/base	current	history1	history2
Sample Number		Client Info		GFL0114381	GFL0110101	GFL006989
Sample Date		Client Info		07 Jun 2024	22 Feb 2024	24 May 2023
Machine Age	hrs	Client Info		0	12261	10546
Oil Age	hrs	Client Info		0	12261	600
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
⁼ uel		WC Method	>3.0	<1.0	<1.0	<1.0
<i>N</i> ater		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	_S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>65	14	6	5
Chromium	ppm	ASTM D5185m	>5	1	1	0
Nickel	ppm	ASTM D5185m	>3	0	<1	0
Titanium	ppm	ASTM D5185m	>5	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>35	7	3	<1
_ead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>180	5	1	<1
Γin	ppm	ASTM D5185m	>8	<1	<1	0
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	5	2	4
Barium	ppm	ASTM D5185m	0	0	34	0
Molybdenum	ppm	ASTM D5185m	60	59	55	54
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	932	795	884
Calcium	ppm	ASTM D5185m	1070	1110	883	1048
Phosphorus	ppm	ASTM D5185m	1150	1041	866	984
Zinc	ppm	ASTM D5185m	1270	1292	1044	1203
Sulfur	ppm	ASTM D5185m	2060	3111	2701	3792
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	6	4	4
Sodium	ppm	ASTM D5185m		3	4	4
Potassium	ppm	ASTM D5185m	>20	10	3	3
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.6	0.2	0.1
Vitration	Abs/cm	*ASTM D7624	>20	8.6	5.9	4.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.8	18.3	18.8
FLUID DEGRA	.DATION	method	limit/base	current	history1	history2

Oxidation	Abs/.1mm	*ASTM D7414	>25	17.1	13.7	15.8



OIL ANALYSIS REPORT

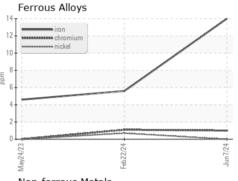


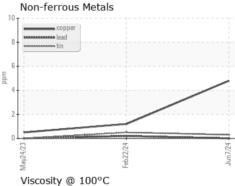


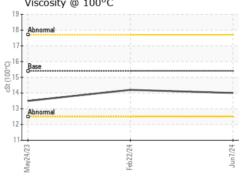
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

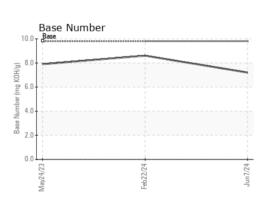
L LOID FUOL		memou			HISTOLAL	HISTOLA
Visc @ 100°C	cSt	ASTM D445	15.4	14.0	14.2	13.5

GRAPHS













Laboratory Sample No. : GFL0114381 Lab Number : 06212810

Unique Number : 11085674

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Jun 2024

Tested : 19 Jun 2024 Diagnosed : 19 Jun 2024 - Wes Davis

GFL Environmental - 468 - Dearborn

3051 Schaefer Rd Dearborn, MI US 48126 Contact:

Test Package : FLEET Certificate 12367 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: