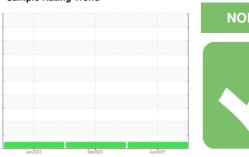


# **OIL ANALYSIS REPORT**

# Sample Rating Trend







Machine Id
927105
Component
Diesel Engine
Fluid

PETRO CANADA DURON SHP 15W40 (10 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

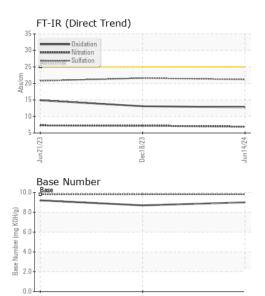
## **Fluid Condition**

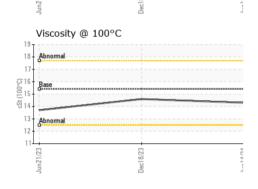
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0114731	GFL0098408	GFL007689
Sample Date		Client Info		14 Jun 2024	18 Dec 2023	21 Jun 2023
Machine Age	hrs	Client Info		30035	29893	29760
Oil Age	hrs	Client Info		30035	0	600
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINA	ΓΙΟΝ	method	limit/base	current	history1	history2
uel		WC Method	>3.0	<1.0	<1.0	<1.0
Vater		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAI	_S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>120	11	12	10
Chromium	ppm	ASTM D5185m		<1	<1	0
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Fitanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm		>20	3	3	2
_ead	ppm	ASTM D5185m	>40	<1	<1	0
Copper	ppm	ASTM D5185m		3	2	2
Γin	ppm	ASTM D5185m	>15	<1	<1	0
√anadium	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	72	10	38
Barium	ppm	ASTM D5185m	0	<1	9	4
Molybdenum	ppm	ASTM D5185m	60	67	60	56
Manganese	ppm	ASTM D5185m	0	<1	0	0
Magnesium	ppm	ASTM D5185m	1010	838	892	734
Calcium	ppm	ASTM D5185m	1070	1100	1065	953
Phosphorus	ppm	ASTM D5185m	1150	895	995	791
Zinc	ppm	ASTM D5185m	1270	1096	1142	984
Sulfur	ppm		2060	2707	3187	2963
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	3	7
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	37	2	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	2.5	2.9	1.6
Vitration	Abs/cm	*ASTM D7624	>20	6.9	7.2	7.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.2	21.6	20.8
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.8	13.1	14.9



# **OIL ANALYSIS REPORT**

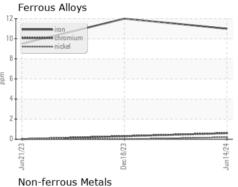


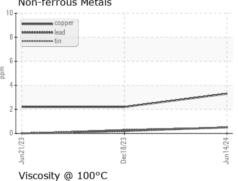


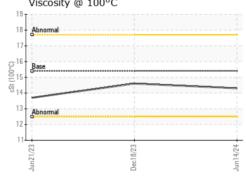
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
			70.L			

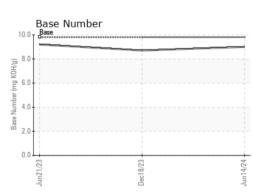
L LLOID PROPI	ERITES	memod			riistory i	History2
Visc @ 100°C	cSt	ASTM D445	15.4	14.3	14.6	13.7

## **GRAPHS**













Certificate 12367

Laboratory

Sample No. Lab Number : 06225659 Unique Number : 11103856

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0114731

Received : 01 Jul 2024 Tested : 02 Jul 2024 Diagnosed

: 02 Jul 2024 - Wes Davis

GFL Environmental - 409 - Wood Island LF

E10081 State Hwy M28 Wetmore, MI US 49895

Contact: Service Manager

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: