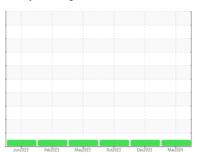


# **OIL ANALYSIS REPORT**

Sample Rating Trend



NORMAL



Machine Id 945014-260271

SAJOIA-ZUUZI Component

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (--- 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.

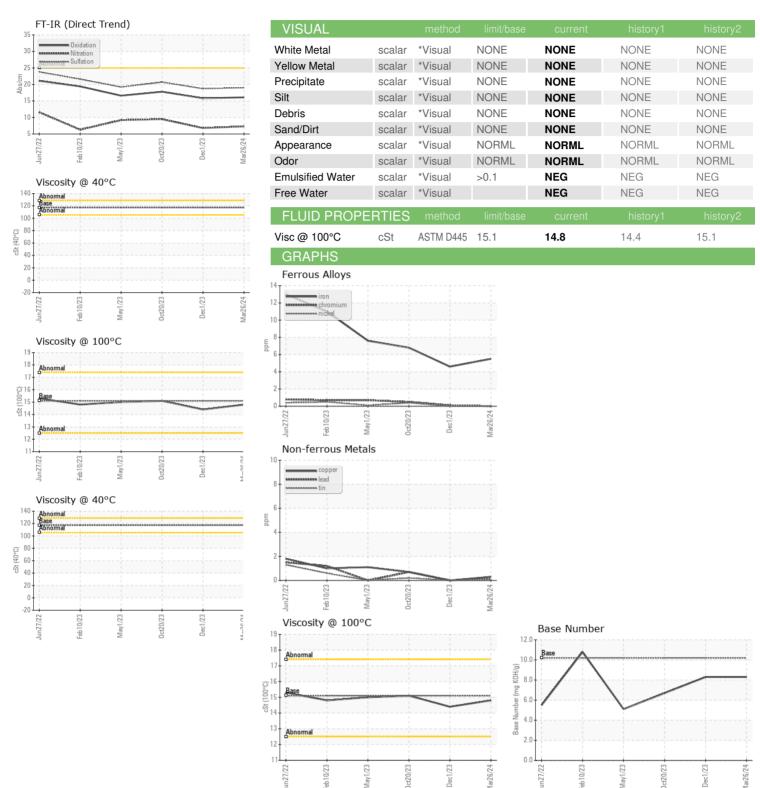
## **Fluid Condition**

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

( GAL)		Jun2022	Feb 2023 May 2023	3 Oct2023 Dec2023	Mar2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0106788	GFL0092009	GFL0084619
Sample Date		Client Info		26 Mar 2024	01 Dec 2023	20 Oct 2023
Machine Age	hrs	Client Info		61730	61112	69973
Oil Age	hrs	Client Info		600	600	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	6	5	7
Chromium	ppm	ASTM D5185m	>4	0	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	1	1	2
Lead	ppm	ASTM D5185m	>30	<1	0	<1
Copper	ppm	ASTM D5185m	>35	<1	0	<1
Tin	ppm	ASTM D5185m	>4	0	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	36	38	17
Barium	ppm	ASTM D5185m	5	0	2	3
Molybdenum	ppm	ASTM D5185m	50	48	48	54
Manganese	ppm	ASTM D5185m	0	<1	0	<1
Magnesium	ppm	ASTM D5185m	560	578	514	561
Calcium	ppm	ASTM D5185m	1510	1638	1435	1582
Phosphorus	ppm	ASTM D5185m	780	758	714	758
Zinc	ppm	ASTM D5185m	870	885	859	969
Sulfur	ppm	ASTM D5185m	2040	2801	2413	2705
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	7	6	4
Sodium	ppm	ASTM D5185m		4	2	1
Potassium	ppm	ASTM D5185m	>20	<1	1	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	7.3	6.8	9.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.0	18.7	20.7
FLUID DEGRA	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.1	15.8	17.8
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	8.3	8.3	6.7



# **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

: GFL0106788 Lab Number : 06136110 Unique Number : 10955575

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

Received **Tested** Diagnosed

: 02 Apr 2024 : 04 Apr 2024

: 04 Apr 2024 - Jonathan Hester

GFL Environmental - 856 - Houston South 8515 Highway 6 South Houston, TX US 77083

Contact: Jose Gonzalez

jgonzalez2@gflenv.com

Test Package : FLEET ( Additional Tests: KV40 ) To discuss this sample report, contact Customer Service at 1-800-237-1369.

 $^st$  - 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: