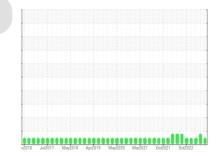


# **OIL ANALYSIS REPORT**

Sample Rating Trend



**NORMAL** 



Machine Id 3573C AUTOCAR ACX

**Natural Gas Engine** 

PETRO CANADA DURON GEO LD 15W40 (48 QTS)

## 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

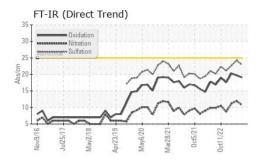
## **Fluid Condition**

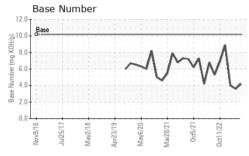
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

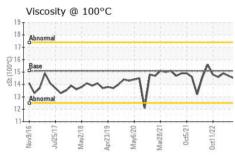
(40 Q10)						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0117413	GFL0094749	GFL0089358
Sample Date		Client Info		01 Jul 2024	02 Feb 2024	17 Aug 2023
Machine Age	hrs	Client Info		6828	5756	4512
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				NORMAL	ABNORMAL	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	31	47	20
Chromium	ppm	ASTM D5185m	>4	2	<u>^</u> 6	4
Nickel	ppm	ASTM D5185m	>2	<1	<1	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m		7	8	6
Lead	ppm	ASTM D5185m	>30	1	8	11
Copper	ppm	ASTM D5185m		4	8	23
Tin	ppm	ASTM D5185m	>4	<1	1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	le le	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	6	6	6
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	53	58	55
Manganese	ppm	ASTM D5185m	0	0	1	1
Magnesium	ppm	ASTM D5185m	560	546	616	572
Calcium	ppm	ASTM D5185m	1510	1550	1703	1727
Phosphorus	ppm	ASTM D5185m	780	687	760	689
Zinc	ppm	ASTM D5185m	870	960	1005	944
Sulfur	ppm	ASTM D5185m	2040	2233	2508	2475
CONTAMINAN		method	limit/base		history1	
Silicon		ASTM D5185m		current 7	17	history2 6
Sodium	ppm	ASTM D5185m	>T100	14	12	10
Potassium	ppm	ASTM D5185m	- 20		2	2
	ppm			17		
INFRA-RED		method	limit/base	current	history1	history2
				0	0	0
Soot %	%	*ASTM D7844				
Soot % Nitration	% Abs/cm	*ASTM D7844 *ASTM D7624	>20	10.7	12.0	11.2
Nitration	Abs/cm Abs/.1mm	*ASTM D7624 *ASTM D7415		10.7	12.0	11.2
Nitration Sulfation	Abs/cm Abs/.1mm	*ASTM D7624 *ASTM D7415	>30	10.7 22.9	12.0 24.2	11.2 22.7
Nitration Sulfation FLUID DEGRAI	Abs/cm Abs/.1mm	*ASTM D7624 *ASTM D7415 method	>30 limit/base	10.7 22.9 current	12.0 24.2 history1	11.2 22.7 history2

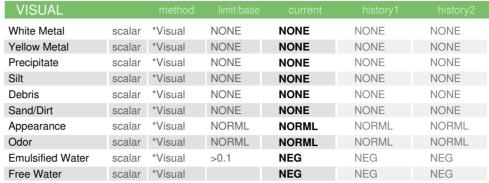


# **OIL ANALYSIS REPORT**



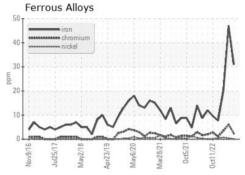


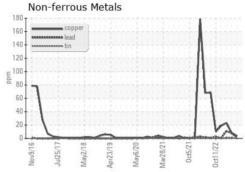


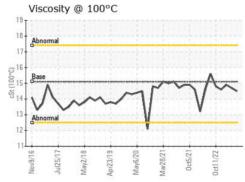


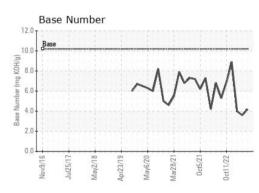
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.5	14.7	14.9

### **GRAPHS**













Certificate 12367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. Lab Number : 06227092 Unique Number : 11110585

Test Package : FLEET

: GFL0117413

Received : 03 Jul 2024 **Tested** : 05 Jul 2024 Diagnosed

: 05 Jul 2024 - Wes Davis

GFL Environmental - 001 - Raleigh(CNG)

3741 Conquest Drive Garner, NC US 27529

Contact: Craig Johnson craig.johnson@gflenv.com T: (919)662-7100

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) F: (919)662-7130

Report Id: GFL001 [WUSCAR] 06227092 (Generated: 07/09/2024 16:45:09) Rev: 1

Submitted By: aka Keith - Ronald Gregory