

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **934064** Component

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Metal levels are typical for a components first oil change.

Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

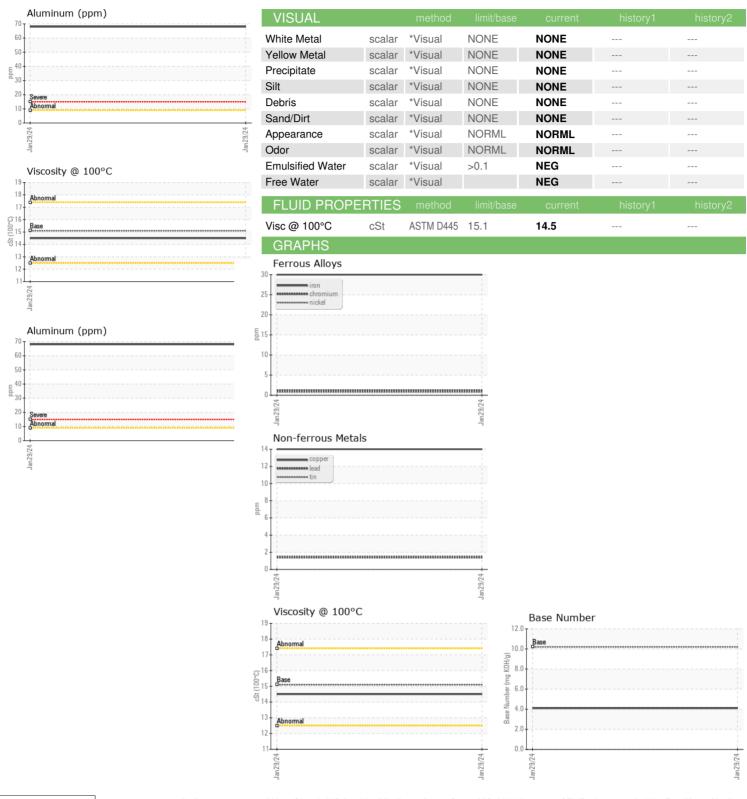
Fluid Condition

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

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(GAL)				Jan2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0103964		
Sample Date		Client Info		29 Jan 2024		
Machine Age	hrs	Client Info		645		
Oil Age	hrs	Client Info		645		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	30		
Chromium	ppm	ASTM D5185m	>4	1		
Nickel	ppm	ASTM D5185m	>2	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>9	68		
Lead	ppm	ASTM D5185m	>30	1		
Copper	ppm	ASTM D5185m	>35	14		
Tin		ASTM D5185m	>4	2		
Vanadium	ppm	ASTM D5185m	>4	0		
Cadmium	ppm	ASTM D5185m		0		
	ppm			-		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	10		
Barium	ppm	ASTM D5185m	5	<1		
Molybdenum	ppm	ASTM D5185m	50	52		
Manganese	ppm	ASTM D5185m	0	12		
Magnesium	ppm	ASTM D5185m	560	706		
Calcium	ppm	ASTM D5185m	1510	1219		
Phosphorus	ppm	ASTM D5185m	780	696		
Zinc	ppm	ASTM D5185m	870	901		
Sulfur	ppm	ASTM D5185m	2040	2278		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	26		
Sodium	ppm	ASTM D5185m		5		
Potassium	ppm	ASTM D5185m	>20	250		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0		
Nitration	Abs/cm	*ASTM D7624	>20	11.5		
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.7		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.3		
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	4.1		
(214)						



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Certificate L2367

Laboratory Sample No. Lab Number Unique Number Test Package : FLEET

: GFL0103964 : 06077953 : 10860044

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 02 Feb 2024 : 02 Feb 2024 Diagnosed

: Wes Davis Diagnostician

GFL Environmental - 865 - East Mount Hauling 7213 East Mount Houston Road

Houston, TX US 77050

Contact: Saul Castillo saul.castillo@gflenv.com

* - 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:

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