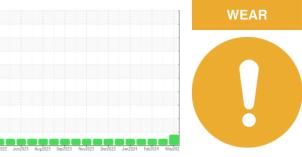


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **718002**

Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- GAL

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

An increase in the copper level is noted. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

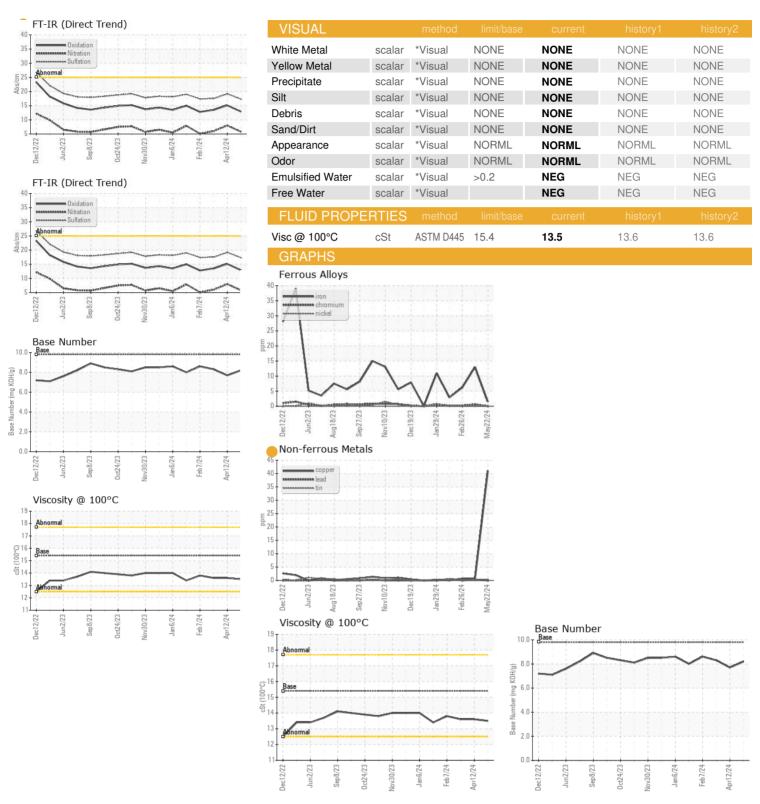
Fluid Condition

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

AL)		Jec2022 Jun2	023 Aug2023 Sep2023	Nov2023 Dec2023 Jan2024 Feb.	2024 May202	
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0121361	GFL0113732	GFL0111106
Sample Date		Client Info		22 May 2024	12 Apr 2024	26 Feb 2024
Machine Age	hrs	Client Info		9910	9649	9306
Oil Age	hrs	Client Info		1288	0	684
Oil Changed		Client Info		Not Changd	N/A	N/A
Sample Status				ATTENTION	NORMAL	NORMAL
CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>110	2	13	6
Chromium	ppm	ASTM D5185m	>4	0	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	2	2
Lead	ppm	ASTM D5185m	>45	0	<1	0
Copper	ppm	ASTM D5185m	>85	41	<1	<1
Tin	ppm	ASTM D5185m	>4	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	14	10	13
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	70	80	79
Manganese	ppm	ASTM D5185m	0	<1	0	0
Magnesium	ppm	ASTM D5185m	1010	903	878	883
Calcium	ppm	ASTM D5185m	1070	1048	1112	1065
Phosphorus	ppm	ASTM D5185m	1150	997	957	984
Zinc	ppm	ASTM D5185m	1270	1182	1176	1179
Sulfur	ppm	ASTM D5185m	2060	3367	3193	3161
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	3	3	3
Sodium	ppm	ASTM D5185m		12	10	3
Potassium	ppm	ASTM D5185m	>20	3	24	8
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.3	0.2
Nitration	Abs/cm	*ASTM D7624	>20	5.8	8.0	6.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.3	19.2	17.5
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.9	15.1	13.5
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.2	7.7	8.3
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OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: GFL0121361

Lab Number : 06196260 Unique Number : 11058383 Test Package : FLEET

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

: 31 May 2024 **Tested** : 03 Jun 2024 Diagnosed

: 03 Jun 2024 - Don Baldridge

1130 County Line Rd Trafford, AL

GFL environmental - 867 - Trafford (Blount Hauling)

US 35172 Contact: Jonathan Williams jonathan.williams@gflenv.com

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)

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F: