

OIL ANALYSIS REPORT

Area (EIB490) 2680

Diesel Engine

PETRO CANADA DURON SHP 15W40 (8 GAL)

Sample Rating Trend



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

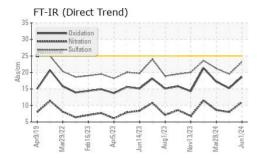
Fluid Condition

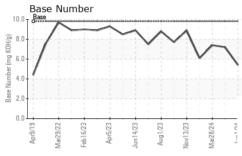
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

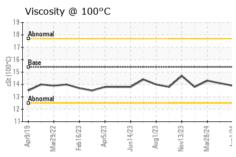
GAL) wp2019 Mw2022 Feb2023 App2023 Jun2023 Aug2023 Mw2024 Jun202						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0083087	GFL0111566	GFL0111553
Sample Date		Client Info		01 Jun 2024	29 Apr 2024	28 Mar 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<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	>165	34	4	11
Chromium	ppm	ASTM D5185m	>5	1	0	1
Nickel	ppm	ASTM D5185m	>4	0	0	1
Titanium	ppm	ASTM D5185m	>2	<1	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	7	2	2
Lead	ppm	ASTM D5185m	>150	<1	0	6
Copper	ppm	ASTM D5185m	>90	1	0	4
Tin	ppm	ASTM D5185m	>5	0	<1	2
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	4	2	4
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	56	60	66
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m	1010	708	838	946
Calcium	ppm	ASTM D5185m	1070	1319	1185	1287
Phosphorus	ppm	ASTM D5185m	1150	807	943	988
Zinc	ppm	ASTM D5185m	1270	1031	1135	1233
Sulfur	ppm	ASTM D5185m	2060	2749	3219	3121
CONTAMINAN		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	8	4	5
Sodium	ppm	ASTM D5185m		5	3	4
Potassium	ppm	ASTM D5185m	>20	7	0	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>7.5	0.8	0.2	0.2
Nitration	Abs/cm	*ASTM D7624	>20	11.0	8.0	8.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.2	19.5	21.2
FLUID DEGRADATION method limit/base current history1 history2						
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.7	15.2	17.2
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	5.4	7.2	7.4



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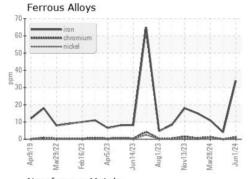


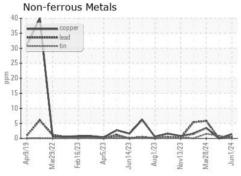


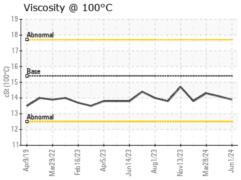
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

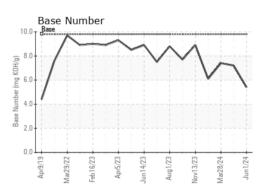
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Visc @ 100°C	cSt	ASTM D445	15.4	13.9	14.1	14.3

GRAPHS













Certificate 12367

Laboratory Sample No.

: GFL0083087 Lab Number : 06199855 Unique Number : 11061978

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 05 Jun 2024 **Tested**

: 06 Jun 2024 Diagnosed : 06 Jun 2024 - Wes Davis

GFL Environmental - 074 - Douglas - Transwaste

1219 Landfill Road Douglas, GA US 31533

Contact: CURTIS JACOBS CURTIS.JACOBS@GFLENV.COM T: (912)384-6001

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)