

OIL ANALYSIS REPORT

911055

Component **Diesel Engine**

PETRO CANADA DURON SHP 15W40 (7 G

Sample Rating Trend



DIAGNOSIS

Recommendation

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

The iron level is abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

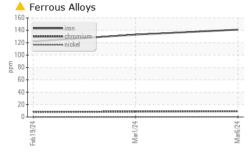
Fluid Condition

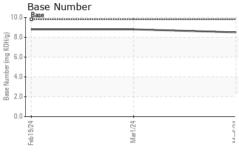
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

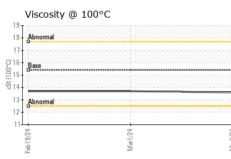
AL)		Feb	2024	Mar2024 Mar20	24	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0068891	GFL0068846	GFL0068898
Sample Date		Client Info		06 Mar 2024	01 Mar 2024	19 Feb 2024
Machine Age	hrs	Client Info		8646	8596	8521
Oil Age	hrs	Client Info		125	75	8521
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATION	NC	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 METALS)	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	<u> </u>	△ 133	▲ 122
Chromium	ppm	ASTM D5185m	>20	9	9	8
Nickel	ppm	ASTM D5185m	>4	<1	0	0
	ppm	ASTM D5185m		<1	<1	0
	ppm	ASTM D5185m	>3	0	0	0
	ppm	ASTM D5185m		12	13	12
	ppm	ASTM D5185m	>40	<1	0	<1
	ppm	ASTM D5185m		<1	2	2
	ppm	ASTM D5185m	>15	0	0	<1
	ppm	ASTM D5185m		<1	<1	<1
	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
	ppm	ASTM D5185m	0	5	5	6
	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m	60	57	59	59
	ppm	ASTM D5185m		1	1	1
-	ppm	ASTM D5185m	1010	976	946	962
	ppm	ASTM D5185m	1070	1057	1060	1011
Phosphorus Zinc	ppm	ASTM D5185m	1150 1270	1019	1031	1037 1272
	ppm ppm	ASTM D5185m ASTM D5185m	2060	1239 3047	1167 3139	3152
CONTAMINANT		method	limit/base	current	history1	history2
	ppm	ASTM D5185m		5	4	5
	ppm	ASTM D5185m		7	3	6
	ppm	ASTM D5185m	>20	20	20	21
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.3	0.3
	Abs/cm	*ASTM D7624		6.8	6.4	5.8
	Abs/.1mm	*ASTM D7415		18.2	17.9	17.4
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.7	13.4	12.9
	mg KOH/g	ASTM D2896	9.8	8.5	8.8	8.8
()	0					

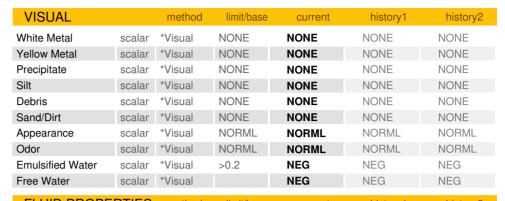


OIL ANALYSIS REPORT



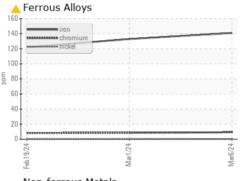


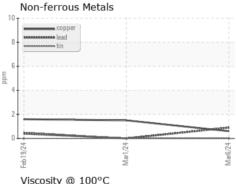


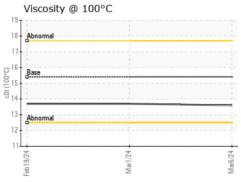


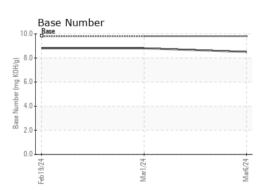
FLUID PROPE	KIIE5	metnoa	ilmit/base	current	nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	15.4	13.6	13.7	13.7

GRAPHS













Certificate L2367

Laboratory Sample No. Unique Number : 10915995

Test Package : FLEET

: GFL0068891 Lab Number : 06112498

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 08 Mar 2024 **Tested**

Diagnosed

: 08 Mar 2024 : 11 Mar 2024 - Don Baldridge

GFL Environmental - 073 - Warner Robins - Transwaste

155 Story Road Warner Robins, GA

US 31093 Contact: JOSH MALONEY jmaloney@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)

T:

F: