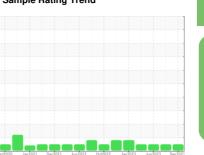


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **821046-101308**

Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- GAL)

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

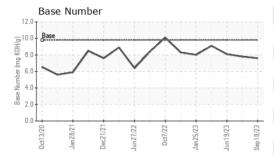
Fluid Condition

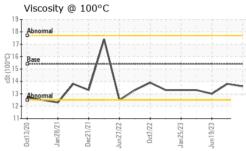
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

GAL) October Jandori October Jandori October Jandori Sandori						
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0095325	GFL0081468	GFL0081476
Sample Date		Client Info		18 Sep 2023	07 Sep 2023	19 Jun 2023
Machine Age	hrs	Client Info		6919	6848	6257
Oil Age	hrs	Client Info		650	650	650
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	22	20	17
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	11	9	9
Lead	ppm	ASTM D5185m	>40	<1	0	0
Copper	ppm	ASTM D5185m	>330	1	1	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	<1
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	63	61	57
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	920	1090	927
Calcium	ppm	ASTM D5185m	1070	1075	1200	1028
Phosphorus	ppm	ASTM D5185m	1150	1018	1087	974
Zinc	ppm	ASTM D5185m	1270	1252	1373	1204
Sulfur	ppm	ASTM D5185m	2060	3145	3806	3362
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	6	5
Sodium	ppm	ASTM D5185m		5	6	4
Potassium	ppm	ASTM D5185m	>20	15	13	14
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	8.0	0.7	0.5
Nitration	Abs/cm	*ASTM D7624	>20	8.4	8.0	8.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.7	19.5	18.4
FLUID DEGRADATION method limit/base current history1 history2						
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.3	14.8	13.0
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.6	7.8	8.1
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OIL ANALYSIS REPORT

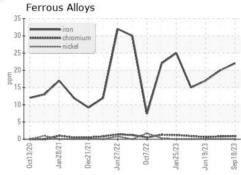


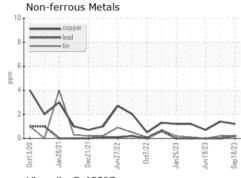


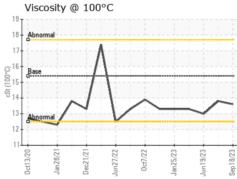
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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

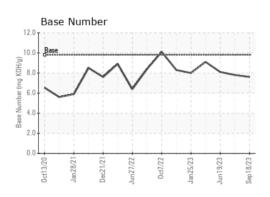
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.6	13.8	13.0

GRAPHS













Certificate L2367

Laboratory Sample No.

Lab Number Unique Number : 10657444 Test Package : FLEET

: GFL0095325 : 05956231

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 20 Sep 2023 Diagnosed : 21 Sep 2023

Diagnostician : Wes Davis

GFL Environmental - 893 - OK East Hauling

2100 Lilly Street Seminole, OK US 74868

Contact: Roger Barlow rbarlow@gflenv.com T: (405)204-6183

* - 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)

Report Id: GFL893 [WUSCAR] 05956231 (Generated: 09/21/2023 18:11:48) Rev: 1

Contact/Location: Roger Barlow - GFL893