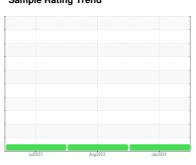


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 426126
Component

Diesel Engine

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

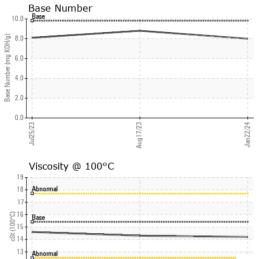
Fluid Condition

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

GAL)		Ju	12023	Aug2023 Jan20	24	
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0102755	GFL0082274	GFL0090362
Sample Date		Client Info		22 Jan 2024	17 Aug 2023	25 Jul 2023
Machine Age	hrs	Client Info		2467	1556	1512
Oil Age	hrs	Client Info		911	1207	1512
Oil Changed		Client Info		N/A	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
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	>100	24	6	34
Chromium	ppm	ASTM D5185m	>20	1	<1	2
Nickel	ppm	ASTM D5185m	>4	<1	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	2	3
Lead	ppm	ASTM D5185m	>40	3	<1	3
Copper	ppm	ASTM D5185m	>330	10	2	8
Tin	ppm	ASTM D5185m	>15	1	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	5	10	16
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	60	60	74	63
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	927	1257	1068
Calcium	ppm	ASTM D5185m	1070	1044	1354	1273
Phosphorus	ppm	ASTM D5185m	1150	1013	1350	1131
Zinc	ppm	ASTM D5185m	1270	1250	1579	1370
Sulfur	ppm	ASTM D5185m	2060	2797	4299	3826
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	4	6
Sodium	ppm	ASTM D5185m		3	4	3
Potassium	ppm	ASTM D5185m	>20	2	2	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5	0.1	0.5
Nitration	Abs/cm	*ASTM D7624	>20	10.0	5.5	11.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.3	17.8	24.2
FLUID DEGRADATION method limit/base current history1 history2						
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.4	13.8	22.6
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.0	8.8	8.1



OIL ANALYSIS REPORT

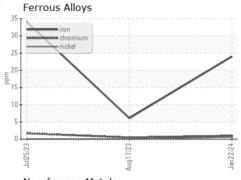


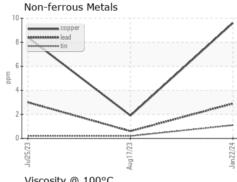
Aug17/23

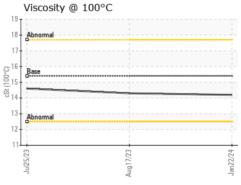
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

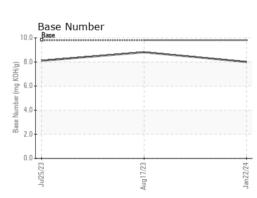
FLUID PROP	EHILO	method			riistory i	HIStoryZ
Visc @ 100°C	cSt	ASTM D445	15.4	14.2	14.3	14.6

GRAPHS











Certificate L2367

Laboratory Sample No. Lab Number

Unique Number : 10848038

: GFL0102755 : 06071361 Test Package : FLEET

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 26 Jan 2024 Diagnosed

: 26 Jan 2024 Diagnostician : Wes Davis

GFL Environmental - 963 - Peoria HC Disposal

1113 N. Swords Ave. West Peoria, IL US 61604

Contact: Corey Dozard cdozard@gflenv.com T:

* - 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)

F: