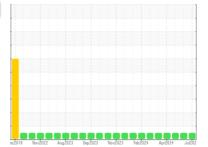


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id **422057 40229**

428057-402383

Diesel Engine

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the

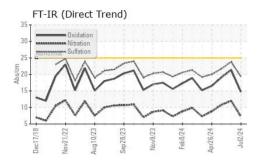
Fluid Condition

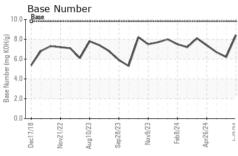
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

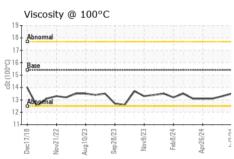
GAL) sző118 Nová022 Aug2023 Segő023 Nová023 Feső024 Aprá024 Jul202						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number Sample Date		Client Info		GFL0123168 02 Jul 2024	GFL0104883 12 Jun 2024	GFL0104829 20 May 2024
Machine Age	mls	Client Info		2900	436124	0
Oil Age	mls	Client Info		435026	0	0
Oil Changed		Client Info		N/A	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method		<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	5	15	11
Chromium	ppm	ASTM D5185m	>4	0	<1	<1
Nickel	ppm		>2	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	1	3	3
Lead	ppm	ASTM D5185m	>45	<1	3	2
Copper	ppm	ASTM D5185m	>85	0	<1	0
Tin	ppm	ASTM D5185m	>4	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	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
Molybdenum	ppm	ASTM D5185m	60	57	60	63
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	1010	951	930	1018
Calcium	ppm	ASTM D5185m	1070	1179	1203	1151
Phosphorus	ppm	ASTM D5185m	1150	1088	1059	1087
Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m	1270 2060	1274 3631	1222 3188	1376 3599
	ppm					
CONTAMINAN		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	4	6	7
Sodium	ppm	ASTM D5185m	00	4	8	4
Potassium	ppm	ASTM D5185m	>20	2	5	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.4	0.3
Nitration	Abs/cm	*ASTM D7624	>20	7.2	12.0	10.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.3	23.8	21.7
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.7	21.4	19.1
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.4	6.2	6.7



OIL ANALYSIS REPORT



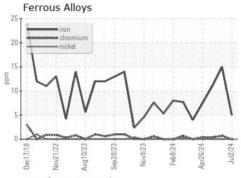


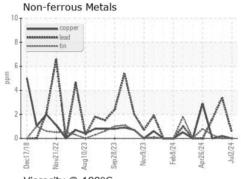


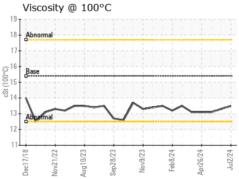
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

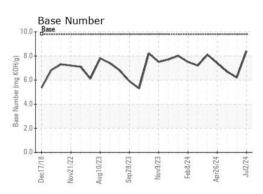
FLUID PROPERTIES		method				history2	
Visc @ 100°C	cSt	ASTM D445	15.4	13.5	13.3	13.1	

GRAPHS













Certificate 12367

Laboratory Sample No.

Test Package : FLEET

: GFL0123168 Lab Number : 06234162 Unique Number : 11122996

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

Received : 11 Jul 2024 **Tested** : 12 Jul 2024 Diagnosed : 12 Jul 2024 - Wes Davis

GFL Environmental - 820 - Joplin Hauling 3700 West 7th Street Joplin, MO US 64801

Contact: James Jarrett jjarrett@gflenv.com T: (417)310-2802

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)