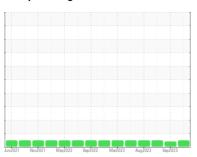


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 4696M

Component Discol Engine

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.

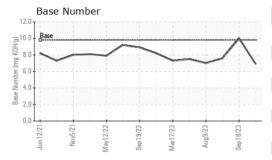
Fluid Condition

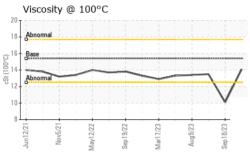
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

GAL)		Jun2021 N	ov2021 May2022 Sep	2022 Mar2023 Aug2023	Sep 2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0107091	GFL0091519	GFL0091527
Sample Date		Client Info		19 Dec 2023	18 Sep 2023	30 Aug 2023
Machine Age	hrs	Client Info		14197	10709	1512
Oil Age	hrs	Client Info		600	600	600
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	ATTENTION	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	0.3	<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	21	24	12
Chromium	ppm	ASTM D5185m	>20	<1	2	<1
Nickel	ppm	ASTM D5185m	>4	6	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	1	4
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m	>330	4	3	<1
Tin	ppm	ASTM D5185m	>15	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	2	49	2
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m	60	61	32	63
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	915	426	977
Calcium	ppm	ASTM D5185m		1081	1617	1156
Phosphorus	ppm	ASTM D5185m	1150	1019	857	1042
Zinc	ppm	ASTM D5185m	1270	1233	1053	1318
Sulfur	ppm	ASTM D5185m		2581	3358	3568
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	9	4
Sodium	ppm	ASTM D5185m		6	9	6
Potassium	ppm	ASTM D5185m	>20	2	6	6
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.3	0.1	0.5
Nitration	Abs/cm	*ASTM D7624		9.7	6.7	9.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.4	20.4	19.6
FLUID DEGRAI	OITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.3	17.4	16.6
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	6.9	10.0	7.6



OIL ANALYSIS REPORT

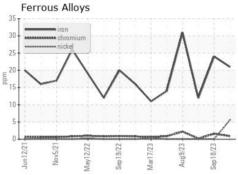


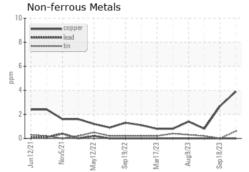


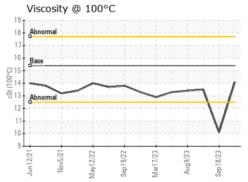
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

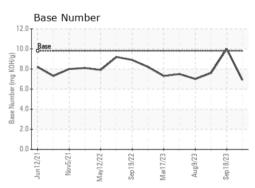
FLUID PROPE	ERHES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.1	▲ 10.1	13.5

GRAPHS













Laboratory Sample No. Lab Number **Unique Number** Test Package : FLEET

: GFL0107091 : 06044318

: 10804926

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 26 Dec 2023 Diagnosed : 27 Dec 2023 Diagnostician : Don Baldridge

888 Baldwin Pontiac, MI US 48340

GFL Environmental - 465 - Pontiac

Contact: Ricky Matthews rickymathews@gflenv.com T: (586)825-9514

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)