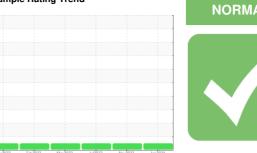


OIL ANALYSIS REPORT

Sample Rating Trend









Machine Id **655M** 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

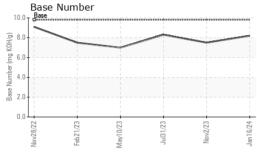
Fluid Condition

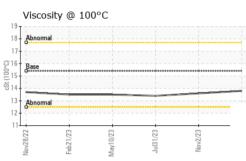
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0107688	GFL0096521	GFL0081254
Sample Date		Client Info		16 Jan 2024	02 Nov 2023	31 Jul 2023
Machine Age	hrs	Client Info		7477	6893	6333
Oil Age	hrs	Client Info		600	600	600
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINA	TION	method	limit/base	current	history1	history2
Fuel	TION	WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method		NEG	NEG	NEG
		WC Method	>0.2	NEG	NEG	NEG
Glycol		VVC IVIELLIOU		NEG	NEG	NEG
WEAR META	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	10	23	7
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	<1	<1	0
Titanium	ppm	ASTM D5185m	>2	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>20	3	6	2
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m	>330	<1	4	<1
Tin	ppm	ASTM D5185m	>15	<1	0	<1
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	2	0	3
Barium	ppm		0	- <1	0	0
Molybdenum	ppm	ASTM D5185m	60	58	69	62
Manganese	ppm	ASTM D5185m	0	<1	0	<1
Magnesium	ppm	ASTM D5185m	1010	911	1063	987
Calcium	ppm	ASTM D5185m	1070	1019	1265	1135
Phosphorus	ppm	ASTM D5185m	1150	986	1084	1026
Zinc	ppm	ASTM D5185m	1270	1219	1387	1287
Sulfur	ppm	ASTM D5185m	2060	2836	3367	3487
CONTAMINAI		method	limit/base	current	history1	history2
Silicon		ASTM D5185m		4	7	3
Sodium	ppm	ASTM D5185m	725	2	5	2
Potassium	ppm	ASTM D5185m	>20	<1	3	0
	ррпп					
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.3	0.9	0.5
Nitration	Abs/cm	*ASTM D7624	>20	6.6	8.0	6.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.4	20.2	19.4
FLUID DEGRADATION method limit/base current history1 history2						history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.0	15.5	14.7
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.2	7.5	8.3
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OIL ANALYSIS REPORT

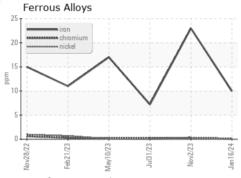


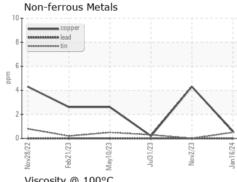


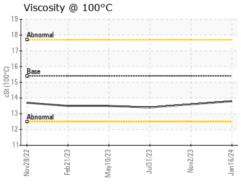
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

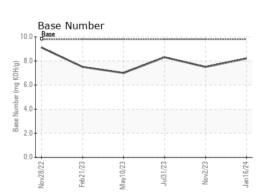
FLUID PROPERTIES		method				history2	
Visc @ 100°C	cSt	ASTM D445	15.4	13.8	13.6	13.4	

GRAPHS













Certificate L2367

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0107688 : 06076595

Recieved Diagnosed : 10858686

: 01 Feb 2024 : 01 Feb 2024 Diagnostician : Wes Davis

GFL Environmental - 465 - Pontiac

888 Baldwin Pontiac, MI US 48340

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)