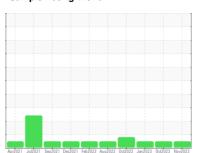


OIL ANALYSIS REPORT

Sample Rating Trend









Machine Id 491M 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

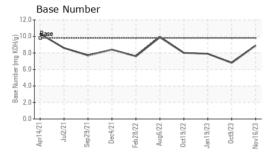
Fluid Condition

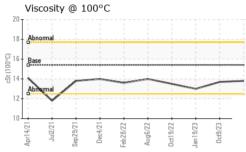
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

11 0111 1011 10 (Aprál021 Juzó021 Sepá022 Decá022 Febá022 Augá022 Occá023 Nová023 Nová023						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0101526	GFL0093220	GFL0068647	
Sample Date		Client Info		16 Nov 2023	09 Oct 2023	19 Jan 2023	
Machine Age	hrs	Client Info		11115	10840	9103	
Oil Age	hrs	Client Info		10840	9103	8466	
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	
Glycol		WC Method		NEG	NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>80	15	41	28	
Chromium	ppm	ASTM D5185m	>5	<1	<1	1	
Nickel	ppm	ASTM D5185m	>2	0	0	<1	
Titanium	ppm	ASTM D5185m		<1	0	0	
Silver	ppm	ASTM D5185m	>3	0	<1	<1	
Aluminum	ppm	ASTM D5185m	>30	4	6	4	
Lead	ppm	ASTM D5185m	>30	0	0	<1	
Copper	ppm	ASTM D5185m	>150	2	2	1	
Tin	ppm	ASTM D5185m	>5	0	<1	<1	
Vanadium	ppm	ASTM D5185m		<1	0	0	
Cadmium	ppm	ASTM D5185m		0	0	0	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	2	3	3	
Barium	ppm	ASTM D5185m	0	0	0	0	
Molybdenum	ppm	ASTM D5185m	60	54	56	59	
Manganese	ppm	ASTM D5185m	0	<1	<1	<1	
Magnesium	ppm	ASTM D5185m	1010	853	899	929	
Calcium	ppm	ASTM D5185m	1070	1063	1006	1052	
Phosphorus	ppm	ASTM D5185m	1150	967	957	984	
Zinc	ppm	ASTM D5185m	1270	1185	1191	1220	
Sulfur	ppm	ASTM D5185m	2060	2709	2575	3410	
CONTAMINAN	ITS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>20	5	6	5	
Sodium	ppm	ASTM D5185m		5	8	6	
Potassium	ppm	ASTM D5185m	>20	2	3	1	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	0.4	1	0.7	
Nitration	Abs/cm	*ASTM D7624	>20	6.9	10.7	9.6	
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.0	21.5	19.6	
FLUID DEGRAI	OATION	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.6	18.8	16.5	
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.9	6.8	7.9	
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OIL ANALYSIS REPORT

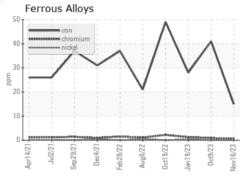


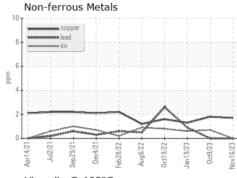


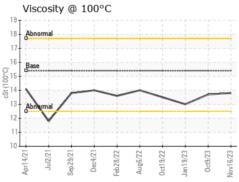
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

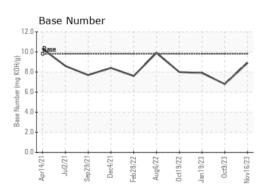
FLUID PROPE	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.8	13.7	13.0

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: GFL0101526 : 06010489 : 10749633 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Nov 2023 Diagnosed : 20 Nov 2023 Diagnostician : Wes Davis

GFL Environmental - 415 - Michigan East 6200 Elmridge

Sterling Heights, MI US 48313 Contact: Frank Wolak fwolak@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)