

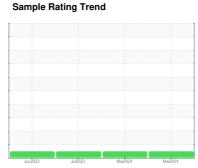
OIL ANALYSIS REPORT



(BA85906) 773M Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (5 GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Early sampling)

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

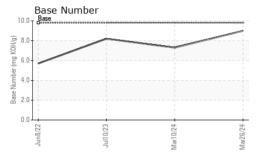
Fluid Condition

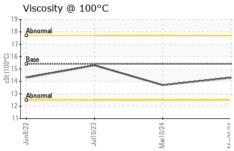
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

	<u> </u>	Jun202	2 Jul2023	Mar2024 M	ar2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0115108	GFL0115194	GFL0084885
Sample Date		Client Info		26 Mar 2024	10 Mar 2024	10 Jul 2023
Machine Age	hrs	Client Info		4852	4850	4668
Oil Age	hrs	Client Info		63	182	4668
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<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	>75	8	8	36
Chromium	ppm	ASTM D5185m	>5	0	<1	1
Nickel	ppm	ASTM D5185m	>4	0	<1	<1
Titanium	ppm	ASTM D5185m	>2	0	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>15	2	2	5
Lead	ppm	ASTM D5185m	>25	0	0	<1
Copper	ppm	ASTM D5185m	>100	1	6	1
Tin	ppm	ASTM D5185m	>4	0	<1	<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	3	<1	1
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	60	57	59
Manganese	ppm	ASTM D5185m	0	0	0	<1
Magnesium	ppm	ASTM D5185m	1010	1000	880	965
Calcium	ppm	ASTM D5185m	1070	1168	994	1099
Phosphorus	ppm	ASTM D5185m	1150	1110	976	1015
Zinc	ppm	ASTM D5185m	1270	1329	1161	1271
Sulfur	ppm	ASTM D5185m	2060	3893	2963	3385
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	4	5
Sodium	ppm	ASTM D5185m		2	<1	7
Potassium	ppm	ASTM D5185m	>20	0	2	5
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.2	0.5	0.9
Nitration	Abs/cm	*ASTM D7624	>20	6.1	7.7	12.2
Sulfation	Abs/.1mm	*ASTM D7415		18.2	19.3	23.5
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.4	15.3	22.6
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	9.0	7.3	8.2



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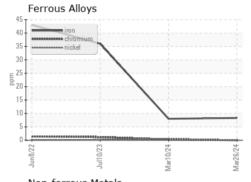


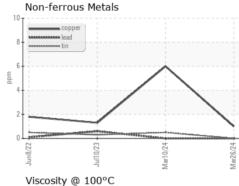


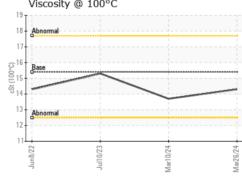
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

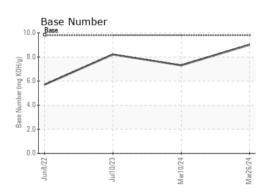
FLUID PROPE	RTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.3	13.7	15.3

GRAPHS













Certificate L2367

Laboratory Sample No.

Lab Number : 06132943 Unique Number : 10952408

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0115108

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

Tested Diagnosed Test Package : FLEET

Received : 29 Mar 2024 : 31 Mar 2024

: 02 Apr 2024 - Don Baldridge

GFL Environmental - 405 - Arbor Hills 7811 Chubb Rd NORTHVILLE, MI

US 48168 Contact: Anthony Hopkins

ahopkins@gflenv.com

* - 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) T:

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