

OIL ANALYSIS REPORT

(YA139895) GFL035 3775

Diesel Engine

PETRO CANADA DURON SHP 10W30 (36 QTS)





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

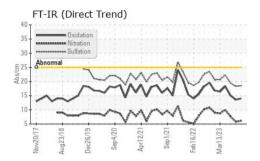
Fluid Condition

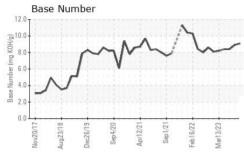
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

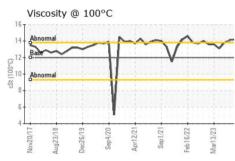
SAMPLE INFORMA	ATIO <u>N</u>	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0116487	GFL0085231	GFL0071616	
Sample Date		Client Info		22 May 2024	11 Jan 2024	30 Aug 2023	
	hrs	Client Info		0	8193	8193	
, and the second	hrs	Client Info		600	600	600	
Oil Changed		Client Info		Not Changd	Changed	Changed	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINATIO	N	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 METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>90	5	5	8	
Chromium	ppm	ASTM D5185m	>20	<1	0	<1	
	ppm	ASTM D5185m	>2	0	0	<1	
	ppm	ASTM D5185m	>2	<1	0	0	
	ppm	ASTM D5185m	>2	<1	0	0	
	ppm	ASTM D5185m	>20	1	2	1	
	ppm	ASTM D5185m	>40	1	<1	<1	
	ppm	ASTM D5185m	>330	<1	0	5	
	ppm	ASTM D5185m	>15	0	<1	<1	
	ppm	ASTM D5185m	710	<1	0	0	
	ppm	ASTM D5105m		0	0	0	
	ррпп		li.ee:t/le = = =				
ADDITIVES		method	limit/base	current	history1	history2	
·	ppm	ASTM D5185m	2	4	5	6	
	ppm		0	0	0	0	
	ppm	ASTM D5185m	50	59	59	60	
	ppm	ASTM D5185m	0	<1	<1	<1	
Magnesium	ppm	ASTM D5185m	950	970	911	863	
Calcium	ppm	ASTM D5185m	1050	1185	1041	1064	
Phosphorus	ppm	ASTM D5185m	995	1109	1070	994	
Zinc	ppm	ASTM D5185m	1180	1286	1252	1171	
Sulfur	ppm	ASTM D5185m	2600	3809	3143	3165	
CONTAMINANT	S	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	13	6	5	
Sodium	ppm	ASTM D5185m		2	0	1	
Potassium	ppm	ASTM D5185m	>20	2	1	3	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>6	0.2	0.2	0.3	
Nitration	Abs/cm	*ASTM D7624	>20	6.1	5.8	7.7	
	Abs/.1mm	*ASTM D7415	>30	18.5	18.3	19.5	
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation /	Abs/.1mm	*ASTM D7414	>25	14.0	13.6	15.1	
	mg KOH/g	ASTM D2896		9.1	8.9	8.4	
	0						



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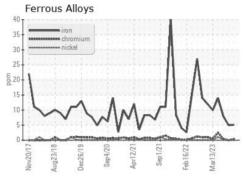


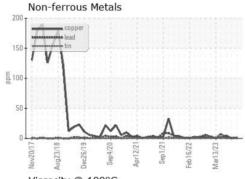


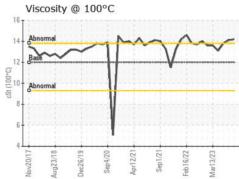
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

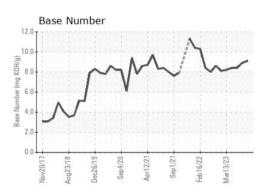
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	12.00	14.2	14.1	13.8

GRAPHS













Laboratory Sample No.

Lab Number : 06191457

: GFL0116487 Unique Number : 11048209

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 May 2024

Tested : 29 May 2024 Diagnosed : 29 May 2024 - Angela Borella

GFL Environmental - 035 - Greensboro 1236 Elon Place

High Point, NC US 27263 Contact: JORGE COSTA

jorge.costa@gflenv.com T: (336)668-3712

Test Package : FLEET Certificate 12367 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)

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Submitted By: JORGE COSTA