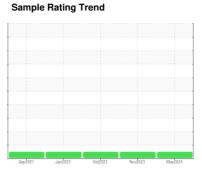


OIL ANALYSIS REPORT



(PG4339) **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

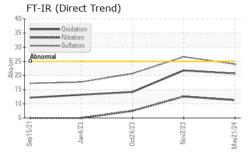
Fluid Condition

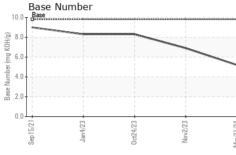
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

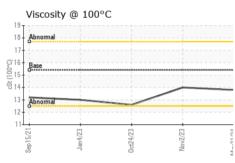
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0077446	GFL0083072	GFL0097226
Sample Date		Client Info		21 May 2024	02 Nov 2023	24 Oct 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status		00110		NORMAL	NORMAL	NORMAL
CONTAMINA	TION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method	7 0.2	NEG	NEG	NEG
WEAR META	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>80	49	29	20
Chromium			>5	49	<1	<1
	ppm					
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>30	29	8	1
Lead	ppm	ASTM D5185m	>30	<1	14	<1
Copper	ppm	ASTM D5185m	>150	7	1	2
Tin	ppm	ASTM D5185m	>5	1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	4	17	13
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	61	66	61
Manganese	ppm	ASTM D5185m	0	1	<1	0
Magnesium	ppm	ASTM D5185m	1010	899	554	862
Calcium	ppm	ASTM D5185m	1070	1045	1623	1045
Phosphorus	ppm	ASTM D5185m	1150	970	997	1084
Zinc	ppm	ASTM D5185m	1270	1203	1304	1122
Sulfur	ppm	ASTM D5185m	2060	2719	2929	2764
CONTAMINAL	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	7	11	8
Sodium	ppm	ASTM D5185m		6	1	5
Potassium	ppm	ASTM D5185m	>20	19	0	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.9	1.1	1.5
Nitration	Abs/cm	*ASTM D7624	>20	11.3	12.6	7.5
Sulfation	Abs/.1mm	*ASTM D7024	>30	24.0	26.6	20.7
FLUID DEGRA		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.7	21.8	14.2
Oxidation Base Number (BN)		ASTM D2896		5.2	6.9	8.3
			40	7 7	D M	0.3

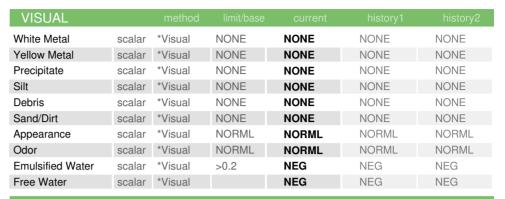


OIL ANALYSIS REPORT



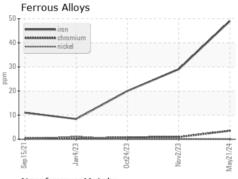


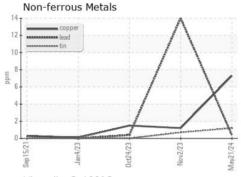


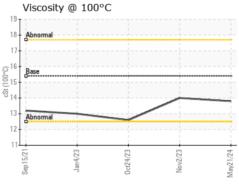


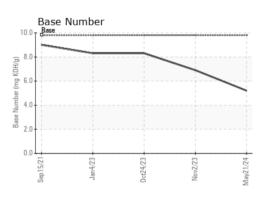
FLUID PROPE	:RHES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.8	14.0	12.6

GRAPHS













Certificate 12367

Laboratory Sample No.

: GFL0077446 Lab Number : 06193771 Unique Number : 11055894 Test Package : FLEET

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 May 2024

Tested : 30 May 2024 Diagnosed : 31 May 2024 - Angela Borella

GFL Environmental - 072 - Americus - Transwaste 361 McMath Mill Road

Americus, GA US 31719

T: (229)924-3669

Contact: RICHARD HEINZERLING richard.heinzerling@gflenv.com

 st - 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)