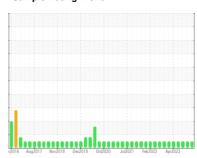


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



(YA133482) GFL035 2635

Diesel Engine

PETRO CANADA DURON SHP 15W40 (40 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

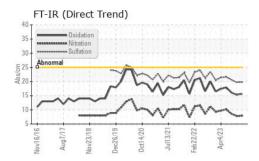
Fluid Condition

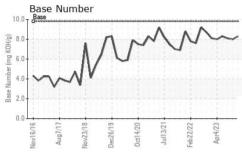
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

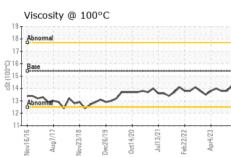
		v2016 Aug20		Oct2020 Jul2021 Feb2022	Apr2023					
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2				
Sample Number		Client Info		GFL0116463	GFL0102312	GFL0085170				
Sample Date		Client Info		22 Mar 2024	04 Jan 2024	02 Nov 2023				
Machine Age	hrs	Client Info		10031	10031	10031				
Oil Age	hrs	Client Info		600	600	600				
Oil Changed		Client Info		Not Changd	Changed	Changed				
Sample Status				NORMAL	NORMAL	NORMAL				
CONTAMINATI	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 METALS	S	method	limit/base	current	history1	history2				
Iron	ppm	ASTM D5185m	>165	10	6	14				
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1				
Nickel	ppm	ASTM D5185m	>4	0	0	<1				
Titanium	ppm	ASTM D5185m		0	0	<1				
Silver	ppm	ASTM D5185m	>2	0	0	0				
Aluminum	ppm	ASTM D5185m	>20	1	2	2				
				0		2				
Lead	ppm	ASTM D5185m	>150		<1 0					
Copper	ppm	ASTM D5185m	>90	0		<1				
Tin	ppm	ASTM D5185m	>5	0	<1	<1				
Vanadium	ppm	ASTM D5185m		<1	0	0				
Cadmium	ppm	ASTM D5185m		0	0	<1				
ADDITIVES		method	limit/base	current	history1	history2				
Boron	ppm	ASTM D5185m	0	<1	7	8				
Barium	ppm	ASTM D5185m	0	0	0	5				
Molybdenum	ppm	ASTM D5185m	60	62	60	62				
Manganese	ppm	ASTM D5185m	0	0	<1	<1				
Magnesium	ppm	ASTM D5185m	1010	997	897	862				
Calcium	ppm	ASTM D5185m	1070	1170	1090	1099				
Phosphorus	ppm	ASTM D5185m	1150	1098	1072	1071				
Zinc	ppm	ASTM D5185m	1270	1340	1281	1204				
Sulfur	ppm	ASTM D5185m	2060	3833	3087	3348				
CONTAMINAN	TS	method	limit/base	current	history1	history2				
Silicon	ppm	ASTM D5185m	>35	4	4	6				
Sodium	ppm	ASTM D5185m		3	1	0				
Potassium	ppm	ASTM D5185m	>20	1	2	4				
INFRA-RED		method	limit/base	current	history1	history2				
Soot %	%	*ASTM D7844	>7.5	0.3	0.3	0.5				
Nitration	Abs/cm	*ASTM D7624	>20	7.9	7.8	8.6				
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.8	19.7	20.6				
FLUID DEGRAD	AT <u>ION</u>	method	limit/base	current	history1	history2				
					•	•				
FLUID DEGRAD Oxidation Base Number (BN)	Abs/.1mm	method *ASTM D7414 ASTM D2896	>25	current 15.7 8.3	history1 15.3 8.0	history2 16.1 8.1				

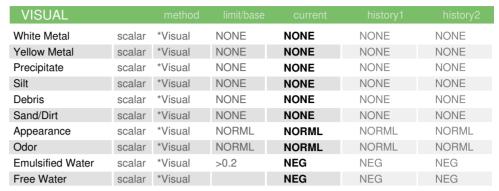


OIL ANALYSIS REPORT



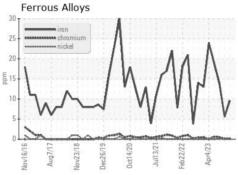


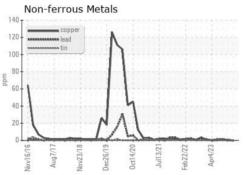


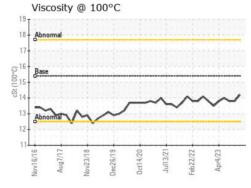


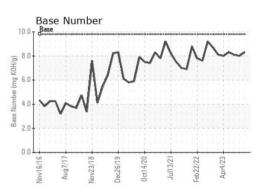
FLUID PROPERTIES		method				history2	
Visc @ 100°C	cSt	ASTM D445	15.4	14.2	13.8	13.8	

GRAPHS













Certificate L2367

Laboratory Sample No.

: GFL0116463 Lab Number : 06137261 Unique Number: 10956726 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 03 Apr 2024

Tested : 04 Apr 2024 : 04 Apr 2024 - Wes Davis Diagnosed

GFL Environmental - 035 - Greensboro

1236 Elon Place High Point, NC US 27263

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

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)