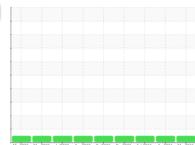


OIL ANALYSIS REPORT

Sample Rating Trend









Area
020
Machine Id
413045
Component
Diesel Engine
Fluid

PETRO CANADA DURON SHP 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

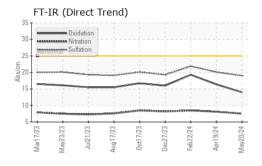
Fluid Condition

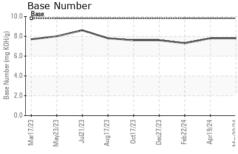
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

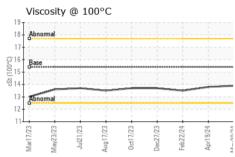
	MATICE					
SAMPLE INFORI	MAHON	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0117857	GFL0117868	GFL0103796
Sample Date		Client Info		20 May 2024	19 Apr 2024	22 Feb 2024
Machine Age	hrs	Client Info		4752	4504	4027
Oil Age	hrs	Client Info		725	477	482
Oil Changed		Client Info		Changed	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	>120	3	0	8
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	2
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	<1	2
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m	>330	0	<1	1
Tin	ppm	ASTM D5185m	>15	<1	0	1
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	10	4	10
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	59	56	56
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	937	918	856
Calcium	ppm	ASTM D5185m	1070	1065	1074	992
Phosphorus	ppm	ASTM D5185m	1150	1002	987	993
Zinc	ppm	ASTM D5185m	1270	1248	1173	1149
Sulfur	ppm	ASTM D5185m	2060	3513	3238	2905
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	0	5
Sodium	ppm	ASTM D5185m		2	3	5
Potassium	ppm	ASTM D5185m	>20	2	2	11
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.5	0.3	0.3
Nitration	Abs/cm	*ASTM D7624	>20	7.5	8.1	8.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.0	20.1	21.9
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.0	16.4	19.3
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.8	7.8	7.3

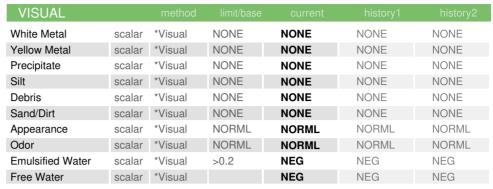


OIL ANALYSIS REPORT



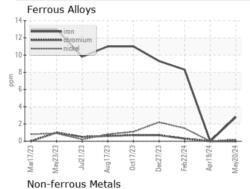


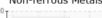


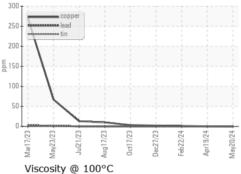


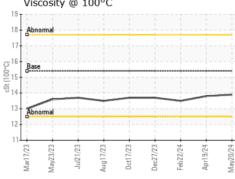
FLUID PROPE	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.9	13.8	13.5

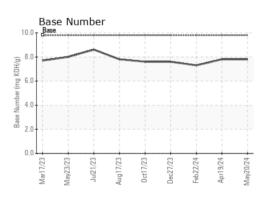
GRAPHS















Certificate 12367

Laboratory Sample No.

Lab Number : 06188937

Test Package : FLEET

: GFL0117857 Unique Number : 11045689

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** Diagnosed

: 23 May 2024 : 24 May 2024

: 24 May 2024 - Wes Davis

GFL Environmental - 020 - Alamance

703 East Gilbreath St Graham, NC

US 27253 Contact: richard.belcher@gflenv.com

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

T: (800)207-6618 F: (336)229-0526

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: GFL020 [WUSCAR] 06188937 (Generated: 05/24/2024 15:46:34) Rev: 1