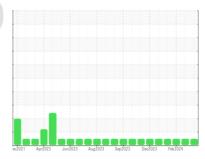


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
811044
Component
Diesel Engine

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

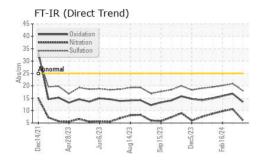
Fluid Condition

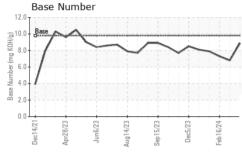
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

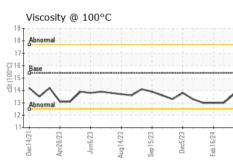
SAMPLE INFORM	4ATION	method	limit/base	current	history1	history?
	MATION		— IIIIII/Dase		history1	history2
Sample Number		Client Info		GFL0110906	GFL0115363	GFL0110888
Sample Date Machine Age	hrs	Client Info		18 Apr 2024 6540	07 Mar 2024 6379	16 Feb 2024 6270
Oil Age	hrs	Client Info		161	109	101
Oil Changed	1113	Client Info		Changed	Changed	Changed
Sample Status		Oliciti iiilo		NORMAL	NORMAL	NORMAL
CONTAMINATI	ON	method	limit/base		history1	
	ON			current		history2
Fuel Water		WC Method	>5	<1.0 NEG	<1.0 NEG	<1.0 NEG
Glycol		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	8	34	24
Chromium	ppm	ASTM D5185m	>20	<1	2	1
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	5	17	12
Lead	ppm	ASTM D5185m	>40	0	<1	<1
Copper	ppm	ASTM D5185m	>330	0	2	2
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm		0	17	1	1
Barium	ppm		0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	62	66	53
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	925	1010	968
Calcium	ppm	ASTM D5185m	1070	1064	1129	1066
Phosphorus	ppm	ASTM D5185m	1150	1073	1123	981
Zinc Sulfur	ppm	ASTM D5185m	1270	1203	1299	1235 3119
	ppm	ASTM D5185m	2060	3576	3207	
CONTAMINAN	IS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	8	6
Sodium	ppm	ASTM D5185m		4	7	7
Potassium	ppm	ASTM D5185m	>20	7	19	16
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	1.2	1
Nitration	Abs/cm	*ASTM D7624	>20	6.1	10.6	9.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.0	20.9	20.1
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.5	16.8	15.9
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.9	6.8	7.3
Baco Harrison (Bit)						



OIL ANALYSIS REPORT



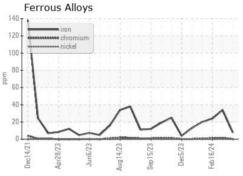


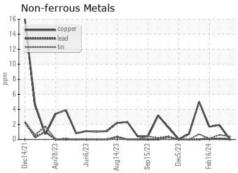


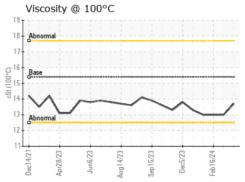
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

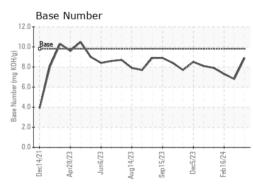
FLUID PROPE	RHES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.7	13.0	13.0

GRAPHS













Certificate 12367

Laboratory Sample No.

Lab Number : 06156782 Unique Number : 10992205

: GFL0110906 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Apr 2024 **Tested** Diagnosed

: 23 Apr 2024 : 23 Apr 2024 - Wes Davis

GFL Environmental - 814 - Little Rock Hauling

4005 Hwy 161 N. Little Rock, AR US 72117

Contact: Brad Koenig bkoenig@gflenv.com T:

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)

F: