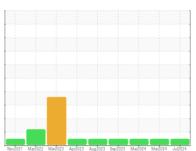


OIL ANALYSIS REPORT

Sample Rating Trend









Machine Id 921031-205217

Diesel Engine

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

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

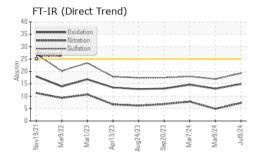
Fluid Condition

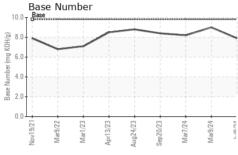
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

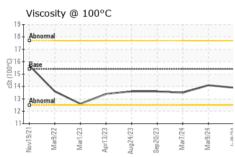
SAMPLE INFOR	RMATION	method				history2
Sample Number		Client Info		GFL0106059	GFL0106088	GFL0106093
Sample Date		Client Info		09 Jul 2024	09 Mar 2024	07 Mar 2024
Machine Age	hrs	Client Info		4486	3974	3974
Oil Age	hrs	Client Info		4486	600	600
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINA	TION	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 META	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	12	<1	11
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>5	0	0	<1
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	3	2	7
Lead	ppm	ASTM D5185m	>40	<1	<1	<1
Copper	ppm	ASTM D5185m	>330	2	<1	2
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	24	8
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	65	57	57
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	930	815	884
Calcium	ppm	ASTM D5185m	1070	1215	1041	1000
Phosphorus	ppm	ASTM D5185m	1150	1111	984	986
Zinc	ppm	ASTM D5185m	1270	1328	1155	1178
Sulfur	ppm	ASTM D5185m	2060	3770	3487	3341
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	11	4	6
Sodium	ppm	ASTM D5185m		4	<1	3
Potassium	ppm	ASTM D5185m	>20	4	<1	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.2	0.1	0.4
Nitration	Abs/cm	*ASTM D7624	>20	7.3	4.9	7.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.3	16.9	18.0
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.9	13.0	14.6



OIL ANALYSIS REPORT



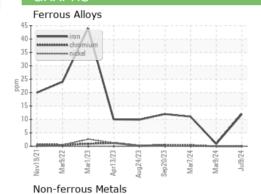




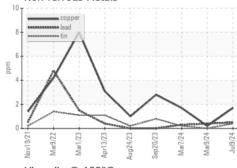
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

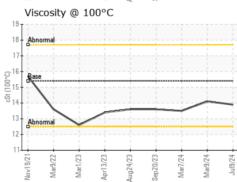
FLUID PROP	EHILO	method			riistory i	HISTORYZ
Visc @ 100°C	cSt	ASTM D445	15.4	13.9	14.1	13.5

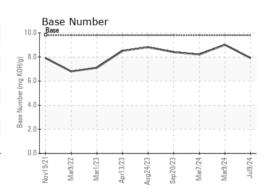
GRAPHS















Report Id: GFL152 [WUSCAR] 06235367 (Generated: 07/15/2024 14:39:29) Rev: 1

Laboratory Sample No. Lab Number : 06235367 Unique Number : 11124201

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0106059 Received : 15 Jul 2024

Tested : 15 Jul 2024 Diagnosed : 15 Jul 2024 - Wes Davis

GFL Environmental - 152 - Jacksonville 7580 PHILIPS HWY Jacksonville, FL

US 32256 Contact: Chris Smith chris.smith@gflenv.com T: (904)252-0013

Page 2 of 2

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)