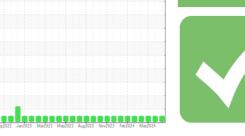


(EHT512)

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL





ON SHP 15W40 (1	U GAL)		102013 AUQ20	zz Janzuzs marzuzs ma	/2U23 Aug2U23 Nov2U23 Heb2U24	Widy2024	
	SAMPLE INFO	RMATION	method	limit/base	current	history1	history2
	Sample Number		Client Info		GFL0111449	GFL0111478	GFL0111473
interval to monitor.	Sample Date		Client Info		28 Jun 2024	05 Jun 2024	20 May 2024
	Machine Age	hrs	Client Info		13161	13033	12901
e normal.	Oil Age	hrs	Client Info		539	411	279
	Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
contamination in the	Sample Status				NORMAL	NORMAL	NORMAL
	CONTAMINA	TION	method	limit/base	current	history1	history2
here is suitable	Fuel		WC Method	>5	<1.0	<1.0	<1.0
he condition of the	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	>100	14	12	8
	Chromium	ppm	ASTM D5185m	>20	<1	<1	0
	Nickel	ppm	ASTM D5185m	>4	0	0	0
	Titanium	ppm	ASTM D5185m		0	<1	0
	Silver	ppm	ASTM D5185m	>3	0	0	<1
	Aluminum	ppm	ASTM D5185m	>20	2	2	2
	Lead	ppm	ASTM D5185m	>40	<1	<1	<1
	Copper	ppm	ASTM D5185m	>330	<1	1	<1
	Tin	ppm	ASTM D5185m	>15	0	<1	0
	Vanadium	ppm	ASTM D5185m		0	0	<1
	Cadmium	ppm	ASTM D5185m		0	<1	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	3	3	1
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m	60	58	60	61
	Manganese	ppm	ASTM D5185m	0	0	<1	<1
	Magnesium	ppm	ASTM D5185m	1010	932	892	1022
	Calcium	ppm	ASTM D5185m	1070	1043	1043	1145
	Phosphorus	ppm	ASTM D5185m	1150	1023	939	1111
	Zinc	ppm	ASTM D5185m	1270	1238	1176	1361
	Sulfur	ppm	ASTM D5185m	2060	2821	3186	3813
	CONTAMINA	NTS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	4	4	4
	Sodium	ppm	ASTM D5185m		<1	<1	1
	Potassium	ppm	ASTM D5185m	>20	1	2	2
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>3	1.1	0.9	0.7
	Nitration	Abs/cm	*ASTM D7624	>20	10.1	8.8	7.8
	Sulfation	Abs/.1mm	*ASTM D7415	>30	20.0	19.3	18.6
	FLUID DEGRA		method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	15.8	14.9	14.3
				0.0		0.0	o =

Base Number (BN) mg KOH/g ASTM D2896 9.8

11267 Diesel Engine Fluid

PETRO CANADA DURON SHP 15W40 (16 GAL)

DIAGNOSIS

Recommendation

Resample at the next service

Wear

Area

All component wear rates are

Contamination

There is no indication of any oil.

Fluid Condition

The BN result indicates that alkalinity remaining in the oil. oil is suitable for further servi

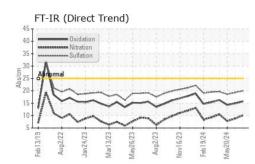
8.7

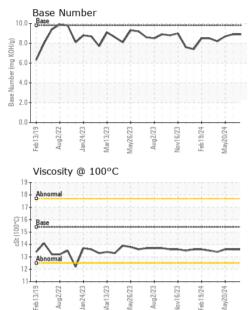
8.9

8.9



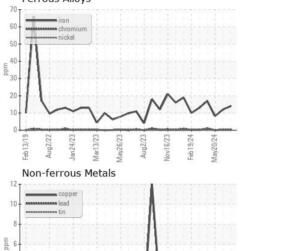
OIL ANALYSIS REPORT

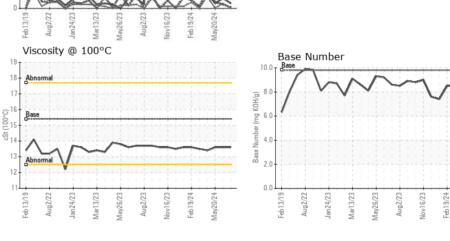




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.6	13.6	13.6
GRAPHS						

Ferrous Alloys





Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 GFL Environmental - 073 - Warner Robins - Transwaste Sample No. : GFL0111449 Received : 03 Jul 2024 155 Story Road Lab Number : 06227076 Tested : 05 Jul 2024 Warner Robins, GA Unique Number : 11110569 Diagnosed : 05 Jul 2024 - Wes Davis US 31093 Test Package : FLEET Contact: JOSH MALONEY Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. jmaloney@gflenv.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Report Id: GFL073 [WUSCAR] 06227076 (Generated: 07/09/2024 14:18:35) Rev: 1

Submitted By: JOSH MALONEY

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