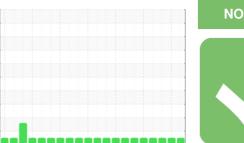


OIL ANALYSIS REPORT

Sample Rating Trend









Machine Id
826023-1024
Component
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

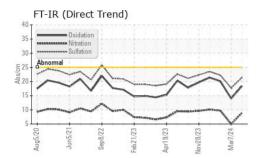
Fluid Condition

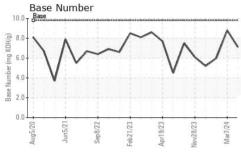
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

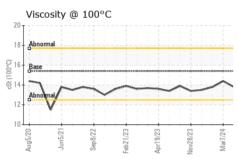
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number	ATION	Client Info	mmodasc	GFL0113663	GFL0113602	GFL0113587
Sample Date		Client Info		21 May 2024	07 Mar 2024	01 Mar 2024
	hrs	Client Info		17986	17500	17500
-	hrs	Client Info		486	497	497
Oil Changed	1113	Client Info		Changed	N/A	Changed
Sample Status		Ciletit iiiio		NORMAL	NORMAL	NORMAL
CONTAMINATION CO	201	mathad	limit/base			
	אוע	method		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		method	limit/base	current	history1	history2
	ppm	ASTM D5185m	>120	17	3	13
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m	>2	<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	2	0	<1
Lead	ppm	ASTM D5185m	>40	1	0	<1
Copper	ppm	ASTM D5185m	>330	1	0	<1
Tin	ppm	ASTM D5185m	>15	1	0	1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	2	2	3
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	65	51	59
Manganese	ppm	ASTM D5185m	0	<1	0	0
Magnesium	ppm	ASTM D5185m	1010	1031	895	1081
Calcium	ppm	ASTM D5185m	1070	1217	1010	1232
Phosphorus	ppm	ASTM D5185m	1150	1038	935	1026
Zinc	ppm	ASTM D5185m	1270	1321	1117	1356
Sulfur	ppm	ASTM D5185m	2060	3133	3402	2909
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	2	3
Sodium	ppm	ASTM D5185m		5	2	4
Potassium	ppm	ASTM D5185m	>20	2	0	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.4	0.1	0.3
Nitration	Abs/cm	*ASTM D7624	>20	8.9	5.0	9.7
	Abs/.1mm	*ASTM D7415	>30	21.4	17.7	22.2
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.4	14.0	20.1
	mg KOH/g	ASTM D2896	9.8	7.1	8.8	6.0
Base Number (Bivi						



OIL ANALYSIS REPORT



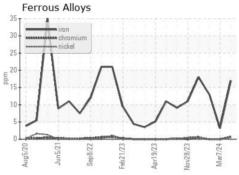


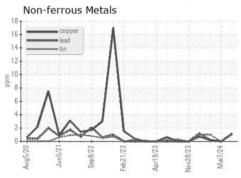


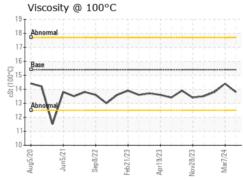
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

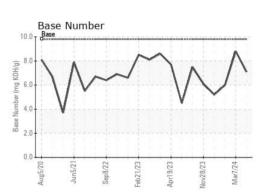
FLUID PROPI	ERHES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.8	14.4	13.8

GRAPHS













Certificate 12367

Sample No.

: GFL0113663 Lab Number : 06189937 Unique Number : 11046689 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 23 May 2024

Tested : 25 May 2024

Diagnosed : 29 May 2024 - Sean Felton

GFL Environmental - 654S - Midlothian

12230 Deergrove Road Midlothian, VA

US 23112 Contact: Corbin Umphlet cumphlet@gflenv.com

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)

Report Id: GFL654S [WUSCAR] 06189937 (Generated: 05/29/2024 14:33:46) Rev: 1

Submitted By: GFL654,GFL654S,GFL659 - Chuck Warr

T:

F: