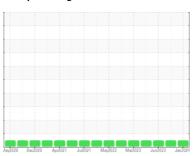


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id **527019-7012**

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

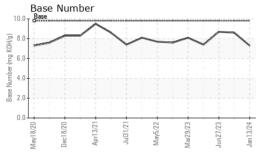
Fluid Condition

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

LTR) Amiliazi Gerziazi Andriazi Judiazi Menziazi Junizazi Junizaz						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number Sample Date	lawa	Client Info Client Info Client Info		GFL0101321 13 Jan 2024 18097	GFL0086599 27 Oct 2023	GFL0085068 27 Jun 2023
Machine Age Oil Age	hrs	Client Info		0	17694	0
Oil Changed Sample Status		Client Info		Not Changd NORMAL	Not Changd NORMAL	N/A NORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS	3	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>110	7	8	7
Chromium	ppm	ASTM D5185m		<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m	0	0	<1	<1
Silver	ppm	ASTM D5185m ASTM D5185m	>2	0 4	0	0 2
Aluminum Lead	ppm	ASTM D5185m	>25 >45	0	<1	0
Copper	ppm	ASTM D5185m		5	2	1
Tin	ppm	ASTM D5185m	>4	<1	2	<1
Vanadium	ppm	ASTM D5185m	7	0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	3	6
Barium	ppm	ASTM D5185m	0	0	19	0
Molybdenum	ppm	ASTM D5185m	60	59	59	60
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	915	879	980
Calcium	ppm	ASTM D5185m	1070	996	949	1116
Phosphorus	ppm	ASTM D5185m	1150	1026	940	1059
Zinc	ppm	ASTM D5185m	1270	1206	1125	1313
Sulfur	ppm	ASTM D5185m	2060	2618	3887	3730
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	9	7	7
Sodium	ppm	ASTM D5185m		0	3	2
Potassium	ppm	ASTM D5185m	>20	0	1	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0.1	0.2
Nitration	Abs/cm	*ASTM D7624		8.5	6.5	6.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.7	18.1	18.9
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.3	14.3	15.6
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.3	8.6	8.7



OIL ANALYSIS REPORT

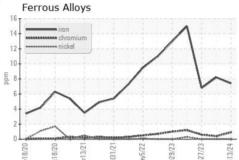


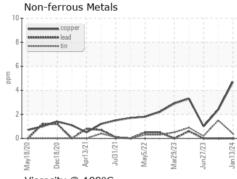
Visc	osity @	0 100°	С				
18 - Abnor	mal						
17-							
O 16 Base							
0.016 Base 15 15		_					
13 - Abnor	mal						
12 -	IIIai						
11	-	-	-	- 2			+
May18/2	Jec18/2	Apr13/2	ul31/2	May5/2	Mar29/2	Jun27/2	
Ma	De	Ag	\exists	≥	Ma	7	

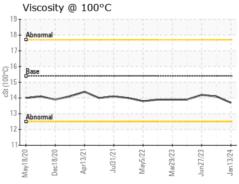
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

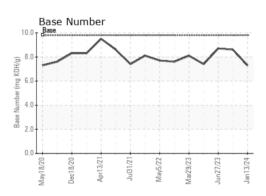
FLUID PROPERTIES		method				history2	
Visc @ 100°C	cSt	ASTM D445	15.4	13.7	14.1	14.2	

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10842833 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0101321 : 06066156

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Recieved : 19 Jan 2024 Diagnosed : 22 Jan 2024 Diagnostician : Wes Davis

GFL Environmental - 654 - Richmond Hauling 11800 Lewis Road

Chester, VA US 23831 Contact: Jimmy Mayes

jmayes@gflenv.com T:

* - 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: