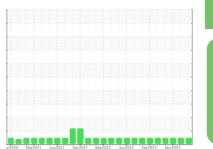


OIL ANALYSIS REPORT

Sample Rating Trend







Area
(YA145276)
810031
Component
Diesel Engine

PETRO CANADA DURON SHP 15W40 (50 QTS)

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

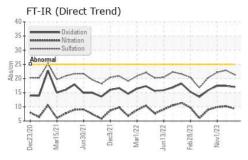
Fluid Condition

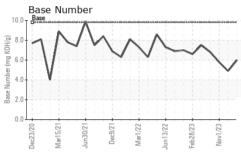
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

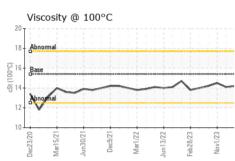
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0079631	GFL0088514	GFL0098104	
Sample Date		Client Info		05 Jun 2024	19 Feb 2024	01 Nov 2023	
Machine Age	hrs	Client Info		2256	2256	2256	
, and the second	hrs	Client Info		468	702	255	
Oil Changed		Client Info		N/A	Changed	N/A	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINATIO	N	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 METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>120	29	24	23	
	ppm	ASTM D5185m	>20	1	1	1	
	ppm	ASTM D5185m	>5	- <1	<1	0	
	ppm	ASTM D5185m	>2	<1	<1	0	
	ppm	ASTM D5185m	>2	<1	<1	<1	
	ppm	ASTM D5185m	>20	7	5	4	
		ASTM D5185m	>40	2	<1	1	
	ppm		>330	3	<1	2	
	ppm	ASTM D5185m					
	ppm	ASTM D5185m	>15	<1	<1	<1	
	ppm	ASTM D5185m		0	0	0	
	ppm	ASTM D5185m		0	0	<1	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	0	1	6	
Barium	ppm	ASTM D5185m	0	2	0	0	
Molybdenum	ppm	ASTM D5185m	60	64	62	62	
Manganese	ppm	ASTM D5185m	0	<1	<1	<1	
Magnesium	ppm	ASTM D5185m	1010	959	961	878	
Calcium	ppm	ASTM D5185m	1070	1123	1072	1300	
Phosphorus	ppm	ASTM D5185m	1150	997	1008	854	
Zinc	ppm	ASTM D5185m	1270	1283	1272	1242	
Sulfur	ppm	ASTM D5185m	2060	2925	2481	2992	
CONTAMINANT	S	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	19	14	15	
Sodium	ppm	ASTM D5185m		2	6	1	
Potassium	ppm	ASTM D5185m	>20	5	3	6	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>4	0.7	1.1	1.1	
	Abs/cm	*ASTM D7624	>20	9.3	10.2	9.9	
	Abs/.1mm	*ASTM D7415	>30	21.3	22.9	22.2	
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.0	17.4	17.4	
	mg KOH/g	ASTM D2896		6.0	4.9	5.8	
Base Number (BN)							



OIL ANALYSIS REPORT



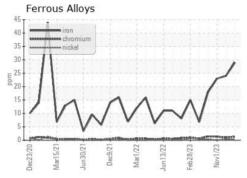




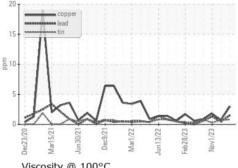
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

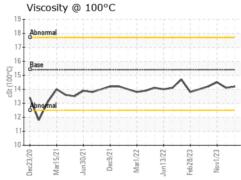
FLUID PROPI	ERHES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.2	14.1	14.5

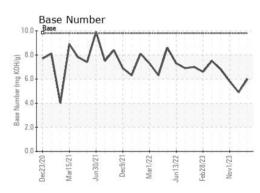
GRAPHS















Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0079631 Lab Number : 06200998 Unique Number : 11063121 Test Package : FLEET

Received : 05 Jun 2024 **Tested** : 07 Jun 2024 Diagnosed

: 07 Jun 2024 - Wes Davis

GFL Environmental - 017 - Durham

148 Stone Park Court Durham, NC US 27703

Contact: William Russel william.russell@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: (919)598-1852