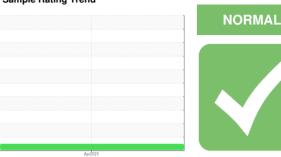


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
229047
Component

Component
Diesel Engine

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

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

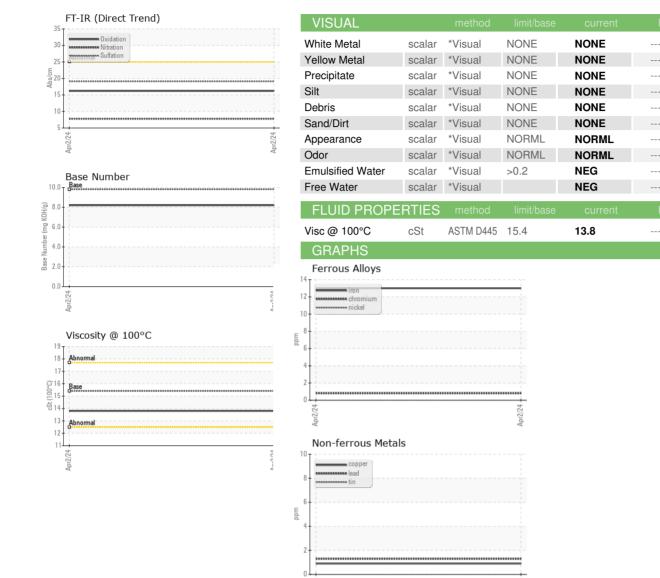
Fluid Condition

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

AL)				Apr2024		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0118608		
Sample Date		Client Info		02 Apr 2024		
Machine Age	mls	Client Info		0		
Oil Age	mls	Client Info		5000		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	NC	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS	;	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>110	13		
Chromium	ppm	ASTM D5185m	>4	<1		
Nickel	ppm	ASTM D5185m	>2	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>25	2		
Lead	ppm	ASTM D5185m	>45	1		
Copper	ppm	ASTM D5185m	>85	<1		
Tin	ppm	ASTM D5185m	>4	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	2		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	60	62		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	1010	961		
Calcium	ppm	ASTM D5185m	1070	1208		
Phosphorus	ppm	ASTM D5185m	1150	1074		
Zinc	ppm	ASTM D5185m	1270	1284		
Sulfur	ppm	ASTM D5185m	2060	3412		
CONTAMINANT	rs .	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	5		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	2		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1		
Nitration	Abs/cm	*ASTM D7624	>20	7.8		
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.1		
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.2		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.2		



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06144051 Unique Number : 10968859

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: GFL0118608 Test Package : FLEET

Viscosity @ 100°C

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 10 Apr 2024

Tested : 11 Apr 2024 Diagnosed : 11 Apr 2024 - Wes Davis

Base Number

(mg K0H/g)

Base

0.0

3426 State Route 45 Mayfield, KY US 42066 Contact: Jack Lindsey jack.lindsey@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.

T: (270)970-3690 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: GFL846 [WUSCAR] 06144051 (Generated: 04/11/2024 08:34:23) Rev: 1

GFL Environmental - 846 - Mayfield Hauling