

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id 913122 Component

Fluid

Diesel Engine PETRO CANADA DURON SHP 15W40 (28 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.

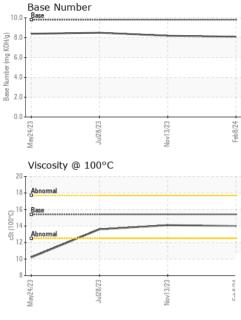
Fluid Condition

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

Sample Date Client Info 08 Feb 2024 13 Nov 2023 28 Jul	istory2
Sample Date Client Info 08 Feb 2024 13 Nov 2023 28 Jul	083997
	2023
Machine AgehrsClient Info000	
Oil Age hrs Client Info 600 600 600	
Oil Changed Client Info Changed Changed Changed	ged
Sample Status NORMAL NORMAL NORMAL	ЛАL
CONTAMINATION method limit/base current history1 hi	istory2
Fuel WC Method >3.0 <1.0 <1.0 <1.	.0
Water WC Method >0.2 NEG NEG NE	G
Glycol WC Method NEG NEG NE	G
WEAR METALS method limit/base current history1 hi	istory2
Iron ppm ASTM D5185m >120 15 18 16	
Chromium ppm ASTM D5185m >20 <1 0 <1	
Nickel ppm ASTM D5185m >5 5 2 2	
Titanium ppm ASTM D5185m >2 <1	
Silver ppm ASTM D5185m >2 <1 0 1	
Aluminum ppm ASTM D5185m >20 1 <1	
Lead ppm ASTM D5185m >40 0 <1	
Copper ppm ASTM D5185m >330 2 1 7	
Tin ppm ASTM D5185m >15 0 <1	
Vanadium ppm ASTM D5185m 0 0 0	
Cadmium ppm ASTM D5185m 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
ADDITIVES method limit/base current history1 hi	istory2
Boron ppm ASTM D5185m 0 0 1 20	
Barium ppm ASTM D5185m 0 0 0 0 0	
Molybdenum ppm ASTM D5185m 60 63 59 68	
Manganese ppm ASTM D5185m 0 0 0 <1	
,	2
Manganese ppm ASTM D5185m 0 0 0 <1	
Manganese ppm ASTM D5185m 0 0 0 <1	35
Manganese ppm ASTM D5185m 0 0 0 <1	35 9
Manganese ppm ASTM D5185m 0 0 0 <1	35 9 67
Manganese ppm ASTM D5185m 0 0 0 <1	35 9 67
Manganese ppm ASTM D5185m 0 0 0 <1	35 9 67 45
Manganese ppm ASTM D5185m 0 0 0 <1	35 9 67 45
Manganese ppm ASTM D5185m 0 0 0 <1	35 9 67 45
Manganese ppm ASTM D5185m 0 0 0 <1	35 9 67 45
Manganese ppm ASTM D5185m 0 0 0 <1	35 37 45 istory2 istory2
Manganese ppm ASTM D5185m 0 0 0 <1	35 37 45 istory2 istory2
Manganese ppm ASTM D5185m 0 0 0 <1	35 367 45 istory2 istory2
Manganese ppm ASTM D5185m 0 0 0 <1	35 367 45 istory2 istory2
Manganese ppm ASTM D5185m 0 0 0 <1	35 37 45 istory2 istory2 9 istory2



OIL ANALYSIS REPORT



VISUAL		method	limit/base	current	history1	history
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 PROPER	RTIES	method	limit/base	current	history1	history
Visc @ 100°C	cSt	ASTM D445	15.4	14.0	14.1	13.6
GRAPHS						
Ferrous Alloys						
iron chromium						
0 - nickel						
80						
20						
0						
		a name of the set of t				
		23				
		ov13/23	Feb 8/24			
May24/23 Jul28/23		Nov13/23	Feb8/24			
Non-ferrous Metals	;	Nov13/23	Feb8/24			
Non-ferrous Metals	;	Nov13/23	Feb8/24			
Non-ferrous Metals		Nov13/23	Feb8/24			
Non-ferrous Metals		Nov13/23	Feb8/24			
EZURZING Non-ferrous Metals		Nov13/23	Feb 8/24			
Non-ferrous Metals		Nov13/23	Feb 02.4			
Non-ferrous Metals		Nov1323	Feb 01/24			
Non-ferrous Metals		Nov13/23	Feb/8/24			
Non-ferrous Metals						
Non-ferrous Metals		323	Feb 8/2 4			
E208ZINF Non-ferrous Metals						
Non-ferrous Metals		323		Base Number	r	
Non-ferrous Metals		323	10.0-		r	
Non-ferrous Metals		323	10.0-		r	
Non-ferrous Metals		323	10.0-		r	
Non-ferrous Metals		323	10.0 (BMOM 8.0		r	

0.0

Mav24/23

Base 2 (

Feb8/24.

: 13 Feb 2024

: 14 Feb 2024



Unique Number : 10874493 Diagnosed : 14 Feb 2024 - Wes Davis Contact: Stephanie Burton Test Package : FLEET Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. stephanieburton@gflenv.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (260)747-5037 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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

Received

Tested

Jul28/23

Nov13/23 -

10

9

Lab Number : 06087048

Laboratory Sample No. May24/23

: GFL0109011

Jul28/23

US 46806

Feb8/24

F:

Nov13/23 -

4429 ALLEN MARTIN DR

FORT WAYNE, IN

GFL Environmental - 401 - Fort Wayne Hauling