

OIL ANALYSIS REPORT

Sample Rating Trend



429062-402464

Component Diesel Engine

Fluid PETRO CANADA DURON SHP 15W40 (--- GAI

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.

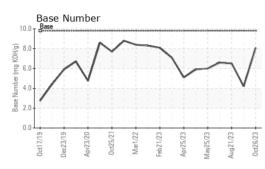
Fluid Condition

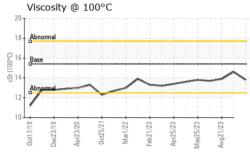
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

AL)						
SAMPLE INFORM		method	Iimit/base	022 Feb2023 Apr2023 May2023 Au	2023 Oct202	history2
	ATION		IIIIII/Dase	current GFL0098474	history1 GFL0083688	GFL0083662
Sample Number		Client Info Client Info		26 Oct 2023		
Sample Date	le ve	Client Info			28 Sep 2023	21 Aug 2023
	hrs hrs	Client Info		0	0	0
Dil Changed	1115	Client Info		0 Not Changd	0 Not Changd	Not Changd
Sample Status		Chefit Into		NORMAL	NORMAL	NORMAL
CONTAMINATIO	ЭN	method	limit/base	current	history1	history2
Fuel			>5	<1.0	<1.0	<1.0
Glycol		WC Method	20	NEG	NEG	NEG
WEAR METALS			limit/base			
		method			history1	history2
	ppm	ASTM D5185m	>110	10	49	30
	ppm	ASTM D5185m	>4	<1	2	1
	ppm	ASTM D5185m	>2	<1	0	0
	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m	>2	0	0	0
	ppm	ASTM D5185m	>25	2	5	4
	ppm	ASTM D5185m	>45	4	16	5
••	ppm	ASTM D5185m	>85	6	26	28
	ppm	ASTM D5185m	>4	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	3	0	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	53	69	62
Vanganese	ppm	ASTM D5185m	0	<1	<1	<1
Vagnesium	ppm	ASTM D5185m	1010	849	1078	955
Calcium	ppm	ASTM D5185m	1070	1059	1367	1272
Phosphorus	ppm	ASTM D5185m	1150	1012	1084	986
Zinc	ppm	ASTM D5185m	1270	1162	1406	1271
Sulfur	ppm	ASTM D5185m	2060	2764	2651	3144
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	4	7	5
	ppm	ASTM D5185m		6	17	13
	ppm	ASTM D5185m	>20	2	6	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.5	0.4
	Abs/cm	*ASTM D7624		7.4	13.2	10.9
	Abs/.1mm	*ASTM D7415		20.1	27.0	23.4
FLUID DEGRAD	ATI <u>ON</u>	method	limit/base	current	history1	history2
	Abs/.1mm	*ASTM D7414	>25	16.6	28.2	21.7
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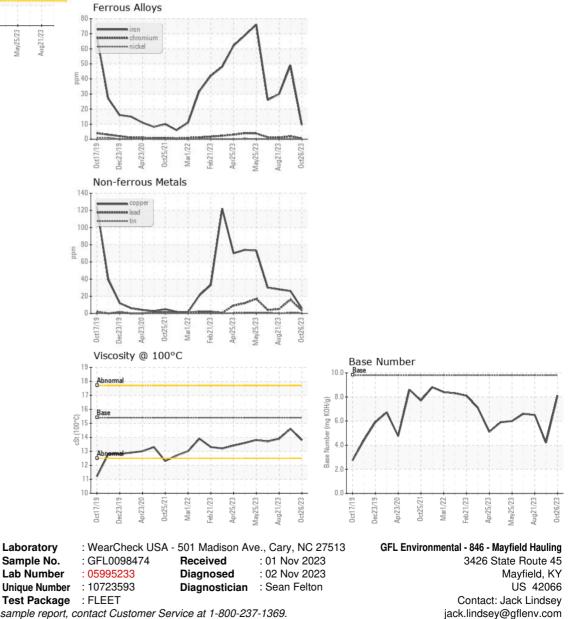


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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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 PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.8	14.6	13.9
GRAPHS						





 Certificate 12367
 Test Package
 : FLEET

 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)

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