

(DUW947)

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Component Diesel Engine

10629

PETRO CANADA DURON SHP 15W40 (7 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the oil.

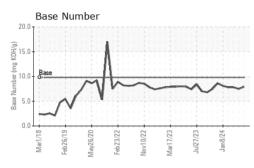
Fluid Condition

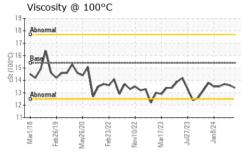
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

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		w2018 Feb20	19 May2020 Feb2022	Nov2022 Mar2023 Jul2023	Jan2024	
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0115732	GFL0112372	GFL0109943
Sample Date		Client Info		28 Mar 2024	22 Feb 2024	05 Feb 2024
Machine Age	hrs	Client Info		1273	1015	883
Oil Age	hrs	Client Info		258	493	361
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	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 METAL	S	method	limit/base	current	history1	history2
Iron		ASTM D5185m	>75	11	16	13
Chromium	ppm	ASTM D5185m		<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	<1	0	0
	ppm	ASTM D5185m		0	<1	<1
Titanium Silver	ppm		>2	0	0	0
Aluminum	ppm		>15	3	3	2
Lead	ppm		>25	0	0	0
Copper	ppm ppm	ASTM D5185m	>25	0	<1	<1
Tin	ppm	ASTM D5185m	>4	0	0	<1
Vanadium	ppm	ASTM D5185m	24	0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	le le	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	13	10	9
Barium	ppm	ASTM D5185m		0	0 61	0
Molybdenum	ppm	ASTM D5185m ASTM D5185m	60	59	<1	60 <1
Manganese Magnesium	ppm	ASTM D5185m	1010	<1	852	894
Calcium	ppm			871 1060	1084	1146
Phosphorus	ppm	ASTM D5185m	1150	983	991	1040
Zinc	ppm ppm	ASTM D5185m		1210	1153	1270
Sulfur	ppm	ASTM D5185m	2060	3336	2790	3110
CONTAMINAN		method	limit/base		history1	history2
Silicon Sodium	ppm	ASTM D5185m ASTM D5185m	>25	4	4	4
Potassium	ppm	ASTM D5185m	>20	3 1	0	4
	ppm				-	
INFRA-RED		method	limit/base		history1	history2
Soot %	%		>6	0.3	0.3	0.3
Nitration	Abs/cm	*ASTM D7624	>20	7.0	8.3	7.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.2	19.4	18.8
FLUID DEGRA		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.6	15.0	14.3
Base Number (BN)	mg KOH/g	ASTM D2896		7.9	7.5	7.8
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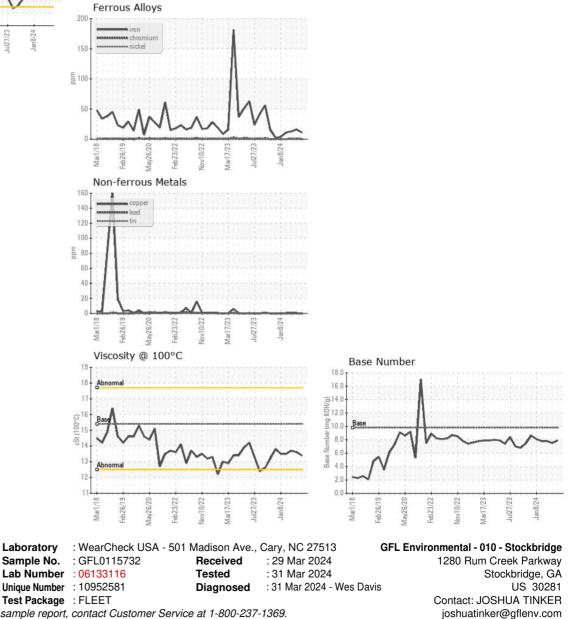


OIL ANALYSIS REPORT





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 PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.4	13.6	13.7
GRAPHS						



 Certificate L2367
 Test Package
 : FLEET
 Corr

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