

OIL ANALYSIS REPORT

DT









Machine Id
3371M
Component
Diesel Engine
Fluid

PETRO CANADA DURON SHP 15W40 (10 GAL

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Moor

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

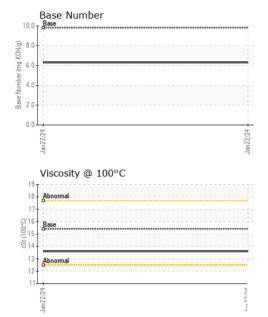
Fluid Condition

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

N SHP 15W40 (1	I0 GAL)					
SAMPLE INFOR	RMATION	method	limit/base	Janž024 Current	history1	history2
	uvii (1101)	Client Info	mmubacc	GFL0104541		111010172
Sample Number Sample Date		Client Info		22 Jan 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		600		
Oil Changed	1115	Client Info		Changed		
Sample Status		Chefit iiiio		NORMAL		
CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method	7 0.2	NEG		
	0		11		la la la consul	la la tarre O
WEAR METAL		method	limit/base		history1	history2
lron Chromium	ppm	ASTM D5185m	>120	20		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>5	<1		
Titanium	ppm		>2	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm		>20	2		
Lead	ppm	ASTM D5185m	>40	1		
Copper	ppm	ASTM D5185m		1		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<1		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	60	63		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	1010	944		
Calcium	ppm	ASTM D5185m	1070	1131		
Phosphorus	ppm	ASTM D5185m	1150	1083		
Zinc	ppm	ASTM D5185m	1270	1272		
Sulfur	ppm	ASTM D5185m	2060	3012		
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	3		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	1.1		
Nitration	Abs/cm	*ASTM D7624	>20	10.7		
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.6		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.7		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	6.3		



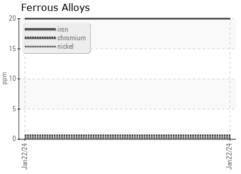
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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG		
FLUID PROPE	DTIES	method	limit/base	current	history1	history2
LLUID PHOFE	THES	method			HISTOLAL	HISTOLA

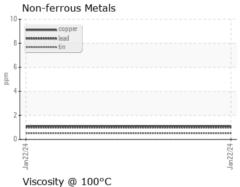
13.6

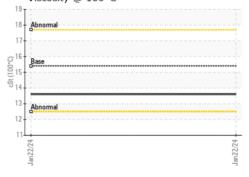
Visc @	100°C
GRA	PHS

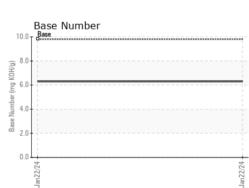


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ASTM D445 15.4









Certificate L2367

Laboratory Sample No.

: GFL0104541 Lab Number : 06125474

Unique Number : 10939625 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 21 Mar 2024 **Tested**

: 22 Mar 2024 Diagnosed : 22 Mar 2024 - Wes Davis

GFL Environmental - 461 - Smith Hauling

3239 W. M 28 Brimley, MI US 49715

Contact: Robert Little rlittle@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.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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