WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL



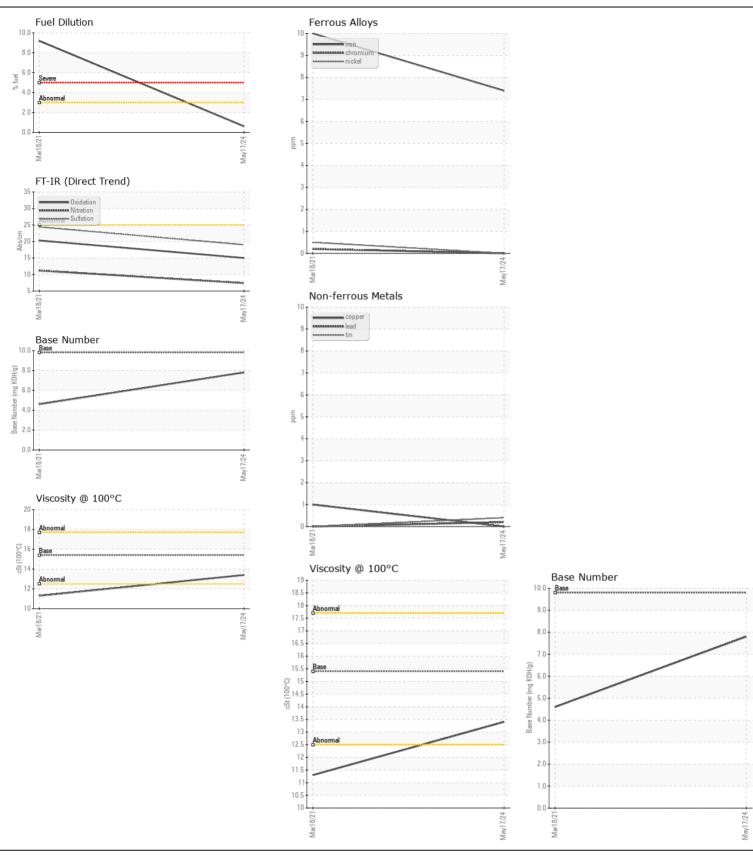
(**BC71104**)

345M

Diesel Engine

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

PETRO CANADA DURON SIIP	1344-0 ( (	JAL)					
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		GFL0101002	GFL0016186	
No corrective action is recommended at this time. Resample at the	Sample Date		Client Info		17 May 2024	18 Mar 2021	
next service interval to monitor.	Machine Age	hrs	Client Info		19386	19386	
	Oil Age	hrs	Client Info		19386	19386	
	Filter Age	hrs	Client Info		0	19386	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	SEVERE	
WEAR  All component wear rates are normal.	Iron	ppm	ASTM D5185m	>120	7	10	
	Chromium	ppm	ASTM D5185m	>20	0	<1	
	Nickel	ppm	ASTM D5185m	>5	0	<1	
	Titanium	ppm	ASTM D5185m	>2	0	<1	
	Silver	ppm	ASTM D5185m	>2	0	0	
	Aluminum	ppm	ASTM D5185m	>20	4	4	
	Lead	ppm	ASTM D5185m	>40	<1	0	
	Copper	ppm	ASTM D5185m	>330	0	1	
	Tin	ppm	ASTM D5185m	>15	<1	0	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	-	4	6	
Fuel content negligible. There is no indication of any contamination in	Potassium	ppm	ASTM D5185m		<1	12	
the oil.	Fuel	%	ASTM D3524	>3.0	0.6	▲ 9.2	
	Water		WC Method	>0.2	NEG	NEG	
	Glycol		WC Method		NEG	NEG	
	Soot %	%	*ASTM D7844		0.3	0.3	
	Nitration	Abs/cm	*ASTM D7624	>20	7.4	11.2	
	Sulfation	Abs/.1mm	*ASTM D7415		19.0	24.4	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		4	7	
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m	0	7	4	
	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		59	52	
	Manganese	ppm	ASTM D5185m		<1	<1	
	Magnesium	ppm	ASTM D5185m		898	855	
	Calcium	ppm	ASTM D5185m		978	971	
	Phosphorus	ppm	ASTM D5185m		968	911	
	Zinc	ppm	ASTM D5185m	1270	1178	1047	
	Sulfur	ppm	ASTM D5185m		3263	2082	
	Oxidation	Abs/.1mm	*ASTM D7414		15.0	20.3	
	Base Number (BN)		ASTM D2896		7.8	4.6	
	Visc @ 100°C	cSt	ASTM D445	15.4	13.4	<u></u> 11.3	
	=						







Certificate L2367

Laboratory Sample No.

Lab Number : 06188900 Unique Number : 11045652

: GFL0101002

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 23 May 2024 **Tested** : 28 May 2024

Diagnosed : 28 May 2024 - Wes Davis

Test Package: FLEET (Additional Tests: PercentFuel) 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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