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## WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

## (QB15903) Machine Id 729024 Component Diesel Engine

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

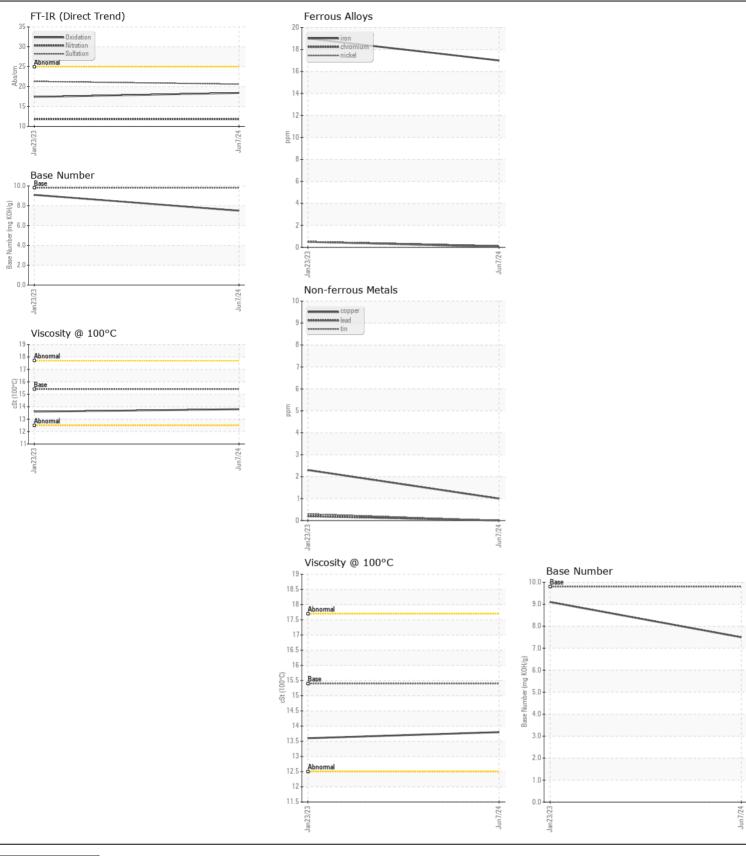
		<i></i>					
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		GFL0113993	GFL0065051	
	Sample Date		Client Info		07 Jun 2024	23 Jan 2023	
	Machine Age	hrs	Client Info		28045	26448	
	Oil Age	hrs	Client Info		28045	26448	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Changed	Not Changd	
	Filter Changed		Client Info		Changed	N/A	
	Sample Status				NORMAL	NORMAL	
WEAR	Iron	ppm	ASTM D5185m	>120	17	19	
	Chromium	ppm	ASTM D5185m		<1	<1	
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	<1	
	Titanium	ppm	ASTM D5185m		<1	<1	
	Silver		ASTM D5185m		0	<1	
		ppm					
	Aluminum	ppm	ASTM D5185m		4	7	
	Lead	ppm	ASTM D5185m		0	<1	
	Copper	ppm	ASTM D5185m		1	2	
	Tin	ppm	ASTM D5185m	>15	0	<1	
	Vanadium	ppm	ASTM D5185m		<1	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	6	6	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	2	<1	
	Fuel		WC Method	>3.0	<1.0	<1.0	
	Water		WC Method	>0.2	NEG	NEG	
	Glycol		WC Method		NEG	NEG	
	Soot %	%	*ASTM D7844	>4	0.7	0.9	
	Nitration	Abs/cm	*ASTM D7624	>20	11.8	11.8	
	Sulfation	Abs/.1mm	*ASTM D7415		20.6	21.3	
	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		*Visual	>0.2	NEG	NEG	
FLUID CONDITION	0					4	
	Sodium	ppm	ASTM D5185m	0	4	4	
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		2	10	
	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		61	61	
	Manganese	ppm	ASTM D5185m		<1	1	
	Magnesium	ppm	ASTM D5185m		888	892	
	Calcium	ppm	ASTM D5185m		995	1139	
	Phosphorus	ppm	ASTM D5185m	1150	956	914	
	Zinc	ppm	ASTM D5185m		1265	1150	
	Sulfur	ppm	ASTM D5185m	2060	3193	3018	
	Oxidation	Abs/.1mm	*ASTM D7414	>25	18.4	17.4	
	Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.5	9.1	

Visc @ 100°C cSt

13.6

13.8

ASTM D445 15.4



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 GFL Environmental - 932 - Muskego HC Sample No. Received W144 S6400 College Ct. : GFL0113993 : 14 Jun 2024 Lab Number : 06211031 Tested Muskego, WI : 18 Jun 2024 Diagnosed US 53150 Unique Number : 11083895 : 18 Jun 2024 - Wes Davis Test Package : FLEET Contact: Brian Schlomann Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. brian.schlomann@gflenv.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (262)510-4586 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Submitted By: GFL932,GFL414 - BECKY FLETCHER Page 2 of 2