WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL ATTENTION

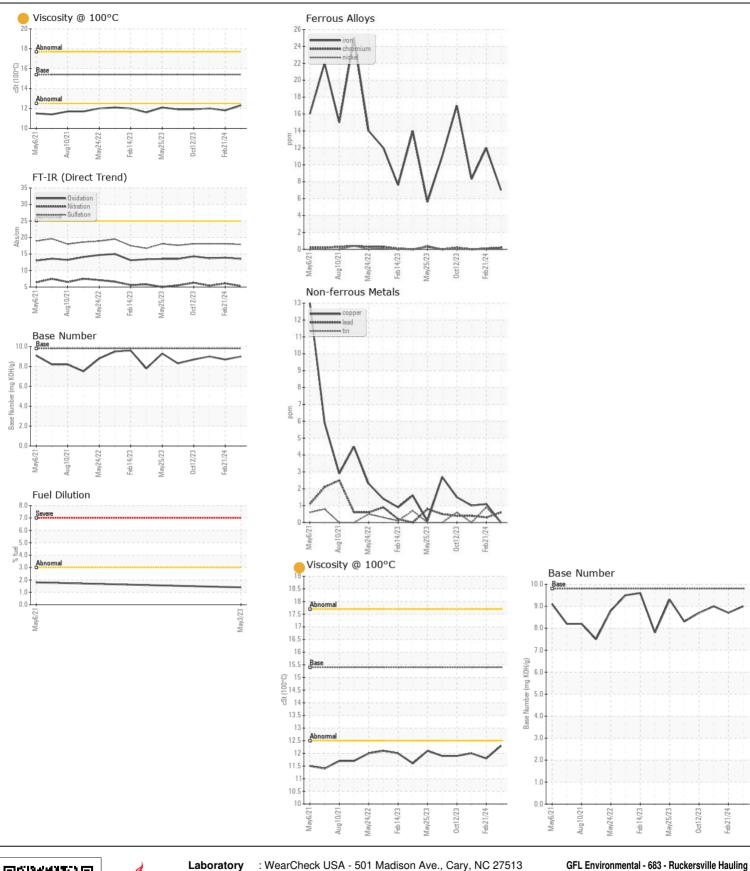
Machine Id

728057-34

Diesel Engine

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0121139	GFL0103143	GFL009197
Sample Date		Client Info		10 May 2024	21 Feb 2024	20 Nov 202
Machine Age	hrs	Client Info		17831	17654	17084
Oil Age	hrs	Client Info		177	570	221
Filter Age	hrs	Client Info		177	570	221
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	ATTENTION	ATTENTIO
Iron	ppm	ASTM D5185m	>150	7	12	8
Chromium		ASTM D5185m	>15	<1	<1	0
Nickel				0	0	0
Titanium		ASTM D5185m		<1	0	0
Silver			>3	0	0	0
Aluminum	ppm			<1	<1	<1
Lead				<1	<1	<1
Copper		ASTM D5185m	>175	0	1	1
Tin					<1	0
Vanadium		ASTM D5185m		0	0	0
		*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	nnm	ASTM D5185m		ა	3	5
			-			0
						<1.0
	/0					NEG
			<i>></i> 0.2			NEG
-	0/_		~3			0.1
						5.4
						18.1
						NONE
						NONE
						NONE
						NORM
						NORM
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
0 15		AOTM DE405		• • • • • • • • • • • • • • • • • • • •		4
			0			4
						3
						0
-						61
-						<1
-						1035
						1131
						1059
						1258
						3291
Oxidation	Abs/.1mm			13.5	13.9	13.7
Base Number (BN)		AOTH DOGGC	0.0	9.0	8.7	9.0
	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Debris Sand/Dirt Appearance Odor	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Sodar Fuel Water Glycol Soot % Nitration Silt Soot % Nitration Silt Scalar Sealar Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Pom Pom Pom Pom Pom Pom Pom Pom Pom Po	Sample Number Sample Date Machine Age Oil Age hrs Client Info Oil Age hrs Client Info Client Info Oil Changed Filter Changed Sample Status Iron Chromium ppm ASTM D5185m Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Titanium ppm ASTM D5185m Copper ppm ASTM D5185m Copper ppm ASTM D5185m Vanadium ppm ASTM D5185m White Metal Yellow Metal Scalar Yellow Metal Soot % Nitration Abs/1mm ASTM D5185m Scalar Yelsual Sella *Visual Sella *Visual Sella *Visual Sella *Visual Soot % Nitration Abs/1mm Abs/1mm ASTM D7624 Sulfation Abs/1mm *ASTM D7624 Sulfation Abs/1mm *ASTM D7624 Sulfation Abs/1mm *ASTM D7624 Sulfation Abs/1mm *ASTM D7624 Sulfation Abs/1mm ASTM D5185m Sellar *Visual Sellar *Visual Sodium Appearance Scalar Scalar Scalar *Visual Sodium Appearance Scalar Appearance Scala	Sample Number Sample Date Client Info Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Filter Age hrs Client Info Oil Changed Client Info Filter Changed Client Info Sample Status Iron ppm ASTM D5185m >150 Chromium ppm ASTM D5185m >15 Nickel ppm ASTM D5185m >3 Aluminum ppm ASTM D5185m >15 Lead ppm ASTM D5185m >15 Lead ppm ASTM D5185m >15 Lead ppm ASTM D5185m >70 Copper ppm ASTM D5185m >5 Tin ppm ASTM D5185m >5 Vanadium ppm ASTM D5185m >2 Vanadium ppm ASTM D5185m >5 Vanadium ppm ASTM D5185m >2 Vanadium ppm ASTM D5185m >20 Copper popm ASTM D5185m >20 Vanadium ppm ASTM D5185m >20 Valter WC Method >0.2 Valter WC Method Soot % ASTM D524 >3.0 Vater WC Method Soot % ASTM D7624 >20 Sulfation Abs/.mm *ASTM D7415 >30 Silt scalar *Visual NONE Sand/Dirt scalar *Visual NONE Sodium ppm ASTM D5185m 0 Sarium ppm ASTM D5185m 0 Sarium ppm ASTM D5185m 0 Sarium ppm ASTM D5185m 1010 Calcium ppm ASTM D5185m 1070 Phosphorus ppm ASTM D5185m 1150 Zinc ppm ASTM D5185m 1270 Sulfur ppm ASTM D5185m 2060	Sample Number Client Info GFL0121139 Sample Date Client Info 10 May 2024 Machine Age hrs Client Info 177831 Oil Age hrs Client Info 177 Filter Age hrs Client Info Changed Cilent Info Changed Changed Filter Changed Client Info Changed Sample Status Client Info Changed Iron ppm ASTM D5185m -150 Astm D5185m -150 7 Chromium ppm ASTM D5185m -15 -1 Nickel ppm ASTM D5185m -4 0 -1 Silver ppm ASTM D5185m -3 0 -1 -	Sample Number Client Info Client Info Client Info 10 May 2024 21 Feb 2024 Machine Age hrs Client Info 17831 17654 176554 176554 176554 176554 176554 176554 176554 176554 176554 176554 176554 176555 176557 17655







Laboratory Sample No.

Lab Number : 06176880

Unique Number : 11022933

Received : GFL0121139

Tested Diagnosed

: 13 May 2024 : 14 May 2024

: 14 May 2024 - Sean Felton

261 INDUSTRIAL DR Ruckersville, VA US 22698 Contact: Jaf Finney jfinney@gflenv.com T: (434)990-4972

Certificate L2367

Test Package: FLEET (Additional Tests: FuelDilution) 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)