

NORMAL WEAR NORMAL CONTAMINATION **FLUID CONDITION** NORMAL

NWW GREENWOOD **DT684 Diesel Engine**

PETRO CANADA DURON SHP 10W30 (40 QTS)

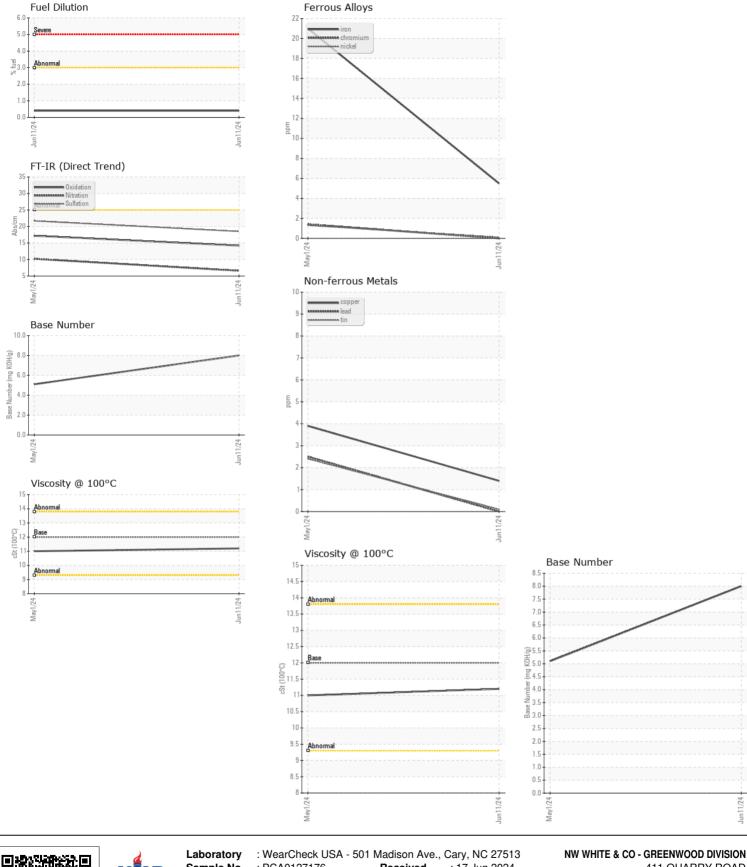
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0127176	PCA0102325	
Sample Date		Client Info		11 Jun 2024	01 May 2024	
Machine Age	mls	Client Info		242161	235449	
Oil Age	mls	Client Info		6712	235449	
Filter Age	mls	Client Info		0	0	
Oil Changed		Client Info		Not Changd	Changed	
Filter Changed		Client Info		Not Changd	Changed	
Sample Status				NORMAL	NORMAL	
Iron		ASTM D5185m	<120	6	21	
					1	
					1	
				-		
			>15			
			NONE	-		
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>25	5	7	
Potassium	ppm	ASTM D5185m	>20	4	4	
Fuel	%	ASTM D3524	>3.0	0.4	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
Soot %	%	*ASTM D7844	>4	0.5	0.8	
Nitration	Abs/cm	*ASTM D7624	>20	6.6	10.2	
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.5	21.7	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual		NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
Sodium		49TM D5195m		2	3	
			2			
-						
-						
•						
			>25			
Base Number (BN)	mg KOH/g	ASTM D2896		8.0	5.1	
	Sample NumberSample DateMachine AgeOil AgeFilter AgeOil ChangedFilter ChangedSample StatusSample StatusIronChromiumNickelTitaniumSilverAluminumLeadCopperTinVanadiumWhite MetalYellow MetalFuelWaterGlycolSoot %NitrationSiltDebrisSand/DirtAppearanceOdorEmulsified WaterGolycolSodiumSulfationSiltDebrisSand/DirtAppearanceOdorEnclied WaterCalciumPhosphorusZincSulfurOxidation	Sample NumberSample DateMachine AgemlsOil AgemlsFilter AgemlsOil ChangedFilter ChangedSample StatusSample StatusIronppmChromiumppmNickelppmTitaniumppmSilverppmAluminumppmLeadppmTinppmVanadiumppmVanadiumppmFuel%VaterGlycolSoot %%NitrationAbs/cmSulfationAbs/cmSulfationScalarDebrisscalarCodorscalarSand/DirtscalarSodiumppmBoronppmBariumppmMagnesiumppmPhosphorusppmSulfationAbs/cmSulfurppmSotiumppmSotiumppmSotiumppmSulfurppmCalciumppmSulfurppmSulfurppmSulfurppmSulfurppmSulfurppmSulfurppmSulfurppmSulfurppmSulfurppmSulfurppmSulfurppmSulfurppmSulfurppmSulfurppmSulfurppmSulfurppmSulfur <td< td=""><td>Sample NumberClient InfoSample 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Changed Changed Changed Sample Status NORMAL NORMAL NORMAL NORMAL Iron ppm ASTM D5185m >20 0 -1 Nickel ppm ASTM D5185m >20 -1 1 Sliver ppm ASTM D5185m >20 -1 2 Sliver ppm ASTM D5185m >15 <1

Visc @ 100°C cSt

ASTM D445 12.00

11.0

11.2



NW WHITE & CO - GREENWOOD DIVISION Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : PCA0127176 Received 411 QUARRY ROAD : 17 Jun 2024 Lab Number : 06211352 Tested GREENWOOD, SC : 19 Jun 2024 Unique Number : 11084216 Diagnosed : 19 Jun 2024 - Don Baldridge US 29149 Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel) Contact: Mitchell Brown Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. greenwoodshop@nwwhite.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (864)389-9553 F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Submitted By: James Threatt Page 2 of 2