WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

FUEL Machine Id

Component Diesel Engine

PETRO CANADA DURON SHP 10W30 (42 QTS)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History
Resample at the next service interval to monitor.	Sample Number		Client Info		PCA0109607		
	Sample Date		Client Info		16 Apr 2024		
	Machine Age	mls	Client Info		297789		
	Oil Age	mls	Client Info		16000		
	Filter Age	mls	Client Info		16000		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
VEAR	Iron	ppm	ASTM D5185m	>200	32		
V Emit	Chromium	ppm	ASTM D5185m		2		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1		
	Titanium	ppm	ASTM D5185m		4		
	Silver	ppm	ASTM D5185m		0		
	Aluminum		ASTM D5185m		14		
	Lead	ppm	ASTM D5185m		<1 <1		
	Copper	ppm	ASTM D5185m		6		
	Tin	ppm	ASTM D5185m		<1		
	Vanadium		ASTM D5185m	70	<1		
	White Metal	ppm scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
					·····		
CONTAMINATION	Silicon	ppm	ASTM D5185m		8		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	9		
	Fuel		WC Method		<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	0.6		
	Nitration	Abs/cm	*ASTM D7624	>20	9.7		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	20.8		
	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		
LUID CONDITION	Sodium	ppm	ASTM D5185m		1		
EOID CONDITION	Boron	ppm	ASTM D5185m	2	10		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		65		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		825		
	Calcium	ppm	ASTM D5185m		1284		
	Phosphorus	ppm	ASTM D5185m		1099		
	Zinc	ppm	ASTM D5185m		1267		
	Sulfur	ppm	ASTM D5185m		3416		
	Oxidation	Abs/.1mm	*ASTM D7414		16.4		
	Base Number (BN)			723	7.2		
	Dase Mullipel (DIV)	THY NUT/Y	70 LINI D7020		1.4		





Certificate L2367

Laboratory Sample No.

: PCA0109607 Lab Number : 06155072 Unique Number : 10990495 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 19 Apr 2024 **Tested**

Diagnosed

: 22 Apr 2024 : 22 Apr 2024 - Wes Davis

DENNIS K BURKE INC - INTERNAL SAMPLES 555 CONSTITUTION DR

TAUNTON, MA US 02780

Contact: GREG DUNKER

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)

F: (617)889-6422