

WEAR CONTAMINATION FLUID CONDITION

NORMAL

ABNORMAL

NORMAL

Δrea

## STEAM AND POWER

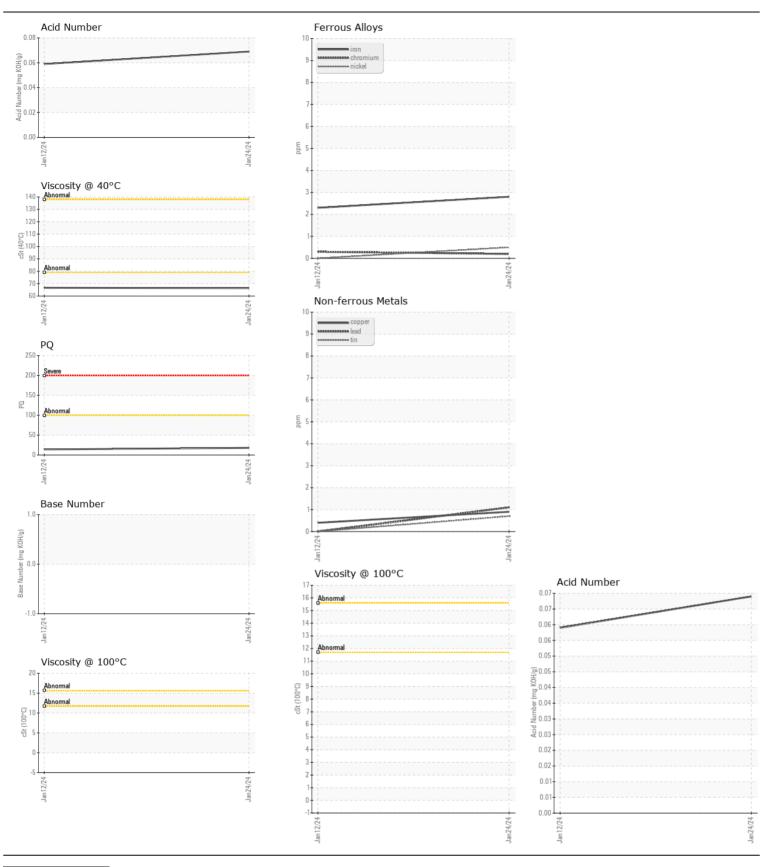
230.0063 #6 Turbine Dehydrator

Component Diesel Engine

Fluid

not provided} (--- GAL)

{not provided} ( GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
TEOCIVILIDATION TO THE TEOCH TO THE THE TEOCH TO THE TEOC	Sample Number	00	Client Info	21111071011	PE0003952	,	
We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.	Sample Date		Client Info		24 Jan 2024	12 Jan 2024	
	Machine Age	hrs	Client Info		0	0	
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Not Changd	Not Changd	
	Filter Changed		Client Info		N/A	N/A	
	Sample Status				ABNORMAL	ABNORMAL	
WEAR	PQ		ASTM D8184		18	14	
	Iron	ppm	ASTM D5185m	>100	3	2	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	<1	<1	
	Nickel	ppm	ASTM D5185m	>4	<1	0	
	Titanium	ppm	ASTM D5185m		<1	0	
	Silver	ppm	ASTM D5185m	>3	0	0	
	Aluminum	ppm	ASTM D5185m	>20	2	3	
	Lead	ppm	ASTM D5185m	>40	1	0	
	Copper	ppm	ASTM D5185m	>330	<1	<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	
	0.11.		40TM DE40E	05			
CONTAMINATION	Silicon	ppm	ASTM D5185m		<1	<1	
Moderate concentration of visible dirt/debris present in the oil.	Potassium	ppm	ASTM D5185m		<1	<1	
Moderate concentration of visible directors present in the oil.	Fuel		WC Method		<1.0	<1.0	
	Water		WC Method	>0.2	NEG	NEG	
	Glycol		WC Method	00000	NEG	NEG	
	Particles >4µm		ASTM D7647			14064	
	Particles >6µm		ASTM D7647			5314	
	Particles >14µm		ASTM D7647			▲ 485 ▲ 150	
	Particles >21µm Particles >38µm		ASTM D7647 ASTM D7647	>160		5	
	Particles >71µm		ASTM D7647			0	
	Oil Cleanliness		ISO 4406 (c)			<u>\( \) 21/20/16</u>	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	▲ MODER	LIGHT	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water			>0.2	NEG	0.2%	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	<1	
	Boron	ppm	ASTM D5185m		0	0	
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		13	0	
	Molybdenum	ppm	ASTM D5185m		<1	0	
	Manganese	ppm	ASTM D5185m		<1	0	
	Magnesium	ppm	ASTM D5185m		0	<1	
	Calcium	ppm	ASTM D5185m		2	2	
	Phosphorus	ppm	ASTM D5185m		32	0	
	Zinc	ppm	ASTM D5185m		0	12	
	Sulfur	ppm	ASTM D5185m		170	166	
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.069	0.059	
		cSt	ASTM D445			66.7	





Laboratory Sample No.

Lab Number : 06085959

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PE0003952

Received **Tested** Unique Number : 10873404

Diagnosed Test Package : PLANT ( Additional Tests: FT-IR, ICP, KV100, KV40, PQ, PrtCount, SCREENC可能的点: LONNIE LOREE

: 15 Feb 2024 : 15 Feb 2024 - Jonathan Hester

: 12 Feb 2024

**Port Townsend Paper Corporation** 100 Mill Rd

Port Townsend, WA US 98368

To discuss this sample report, contact Customer Service at 1-800-237-1369.

lonnie.loree@ptpc.com T: (907)738-6506

\* - 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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