

#### **PROBLEM SUMMARY**

Sample Rating Trend

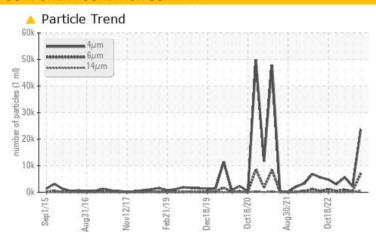
ISO

## Temboard/Service/Stock Preparation Machine Id N/A N/A [804-236-050] TB Multi-fiber Refiner

Hydraulic System

ESSO NUTO H ISO 68 (37 LTR)

#### **COMPONENT CONDITION SUMMARY**



#### **RECOMMENDATION**

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS									
Sample Status		ABN	NORMAL	NORMAL	NORMAL				
Particles >6µm	ASTM D7647	>1300 ^ 7	005	345	924				
Particles >14µm	ASTM D7647	>160 🔺 5	89	19	36				
Particles >21µm	ASTM D7647	>40 <b>^ 1</b>	60	6	7				
Particles >38μm	ASTM D7647	>10 <u> </u>	6	1	1				
Oil Cleanliness	ISO 4406 (c)	>/17/14 🔺 2	2/20/16	18/16/11	20/17/12				

Customer Id: TEMTEMMD Sample No.: WC0841332 Lab Number: 02588276 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Wes Davis +1 905-569-8600 x223 wesd@wearcheck.ca

To change component or sample information: Gloria Gonzalez +1 (289)291-4643 x4643 gloria.gonzalez@wearcheck.com

#### **RECOMMENDED ACTIONS**

Action	Status	Date	Done By	Description
Change Filter			?	We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.
Resample			?	We recommend an early resample to monitor this condition.
Filter Fluid			?	We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.

#### HISTORICAL DIAGNOSIS

#### 18 Jun 2023 Diag: Wes Davis

#### NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



#### 18 Apr 2023 Diag: Wes Davis

#### NORMAL



Resample at the next service interval to monitor.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

# view report

#### 18 Dec 2022 Diag: Wes Davis

#### NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





#### **OIL ANALYSIS REPORT**

Sample Rating Trend



### Temboard/Service/Stock Preparation N/A N/A [804-236-050] TB Multi-fiber Refiner

**Hydraulic System** 

ESSO NUTO H ISO 68 (37 LTR)

#### **DIAGNOSIS**

#### Recommendation

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition.

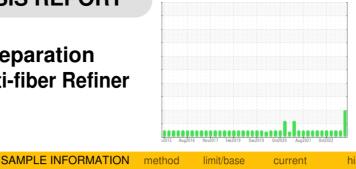
All component wear rates are normal.

#### Contamination

There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The water content is negligible. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code.

#### **Fluid Condition**

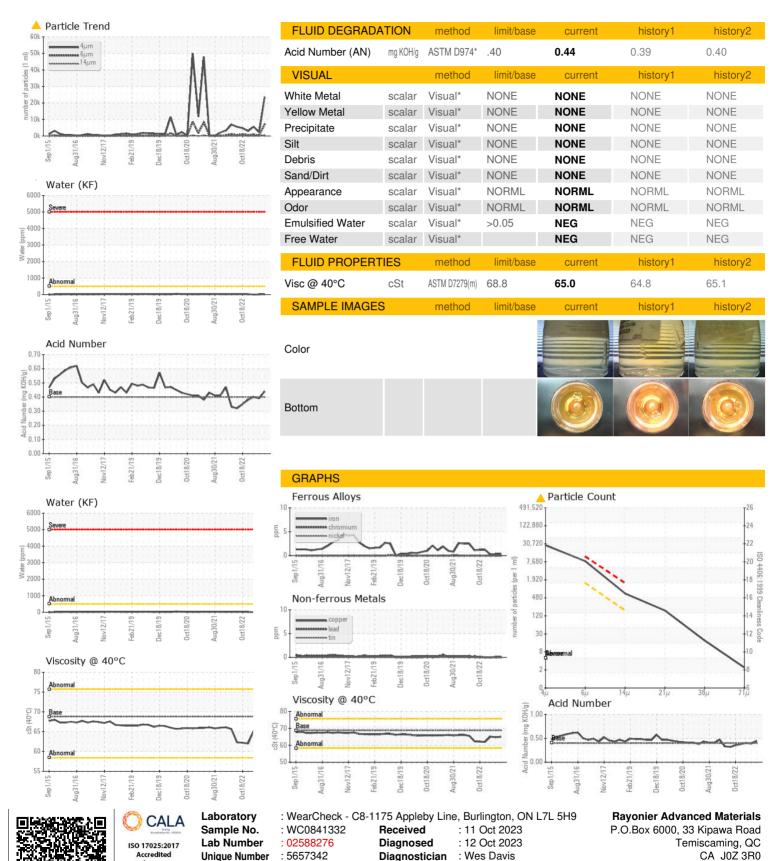
The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



SAMPLE INFORM	MATION	method	ilmit/base	current	nistory i	nistory2
Sample Number		Client Info		WC0841332	WC0822103	WC0803282
Sample Date		Client Info		18 Aug 2023	18 Jun 2023	18 Apr 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
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WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	<1	<1	<1
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>20	0	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		<1	0	0
Aluminum	ppm	ASTM D5185(m)	>20	0	0	0
Lead	ppm	ASTM D5185(m)	>20	0	0	0
Copper	ppm	ASTM D5185(m)	>20	<1	<1	0
Tin	ppm	ASTM D5185(m)	>20	0	0	0
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	<1	0	0
Barium	ppm	ASTM D5185(m)	0	<1	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)	5	<1	<1	0
Calcium	ppm	ASTM D5185(m)	50	52	51	52
Phosphorus	ppm	ASTM D5185(m)	330	342	361	369
Zinc	ppm	ASTM D5185(m)	420	445	429	430
Sulfur	ppm	ASTM D5185(m)	3100	3043	2999	3099
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	2	2	1
Sodium	ppm	ASTM D5185(m)		- <1	0	0
Potassium	ppm	ASTM D5185(m)	>20	0	<1	0
Water	%	ASTM D6304*	>0.05	0.002	0.001	0.00
ppm Water	ppm	ASTM D6304*	>500	22.7	12.0	0.00
FLUID CLEANLIN		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		23676	2232	5650
			>1300			
Particles >6µm		ASTM D7647		<b>▲</b> 7005	345	924
Particles >14µm		ASTM D7647	>160	<u>^</u> 589	19	36
Particles >21µm		ASTM D7647		<u>^</u> 160	6	7
Particles >38µm		ASTM D7647	>10	<u>^</u> 16	1	1
Particles >71µm		ASTM D7647	>3	2	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/14	<u>22/20/16</u>	18/16/11	20/17/12



#### **OIL ANALYSIS REPORT**



Test Package : IND 2 ( Additional Tests: KF, TAN Man )

Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

To discuss this sample report, contact Customer Service at 1-800-268-2131.

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F: (819)627-1507

Contact: Santosh Raikar

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