

# **OIL ANALYSIS REPORT**

# FORTRESS SPECIALTY CELLULOSE

NO UNIT

Component

Hydraulic System
Fluid

ASPHALT RELEASE AGENT LLOYDS TEST 1 (--- GAL)

# Sample Rating Trend



### DIAGNOSIS

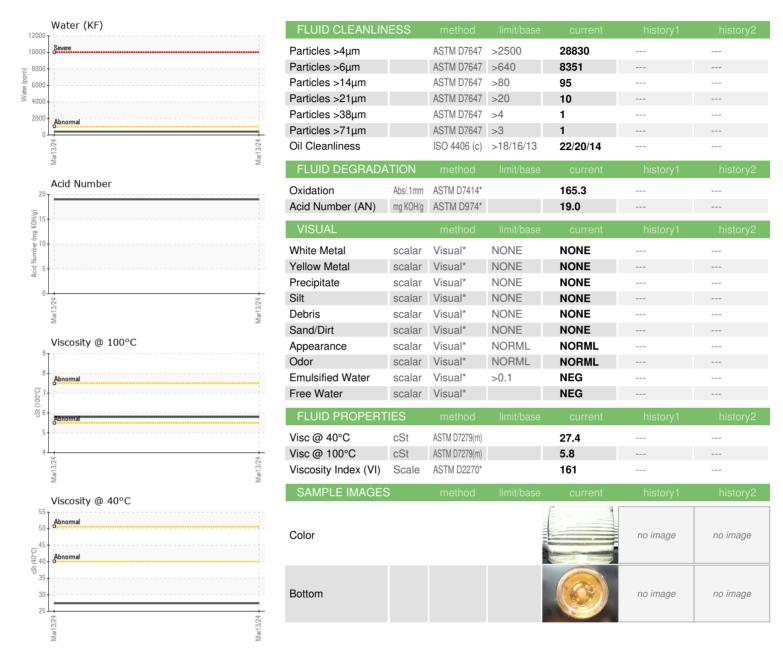
### Recommendation

Il s'agit du relevé de base de l'échantillon soumis.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		wc		
Sample Date		Client Info		13 Mar 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	5		
Chromium	ppm	ASTM D5185(m)	>10	0		
Nickel	ppm	ASTM D5185(m)	>10	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>10	<1		
Lead	ppm	ASTM D5185(m)	>10	0		
Copper	ppm	ASTM D5185(m)	>75	<1		
Tin	ppm	ASTM D5185(m)	>10	0		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		mathad	limit/base	ourront.	hioton/1	hiotory?
ADDITIVES —		method	IIIIIIIIIIIIII	current	history1	history2
Boron	ppm	ASTM D5185(m)	IIIIII/Dase	<1		
	ppm ppm	ASTM D5185(m) ASTM D5185(m)	IIIIII/Dase			
Boron		ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	IIIIIIIIIIII	<1		
Boron Barium	ppm	ASTM D5185(m) ASTM D5185(m)	IIIIIIIIIIII	<1 0		
Boron Barium Molybdenum	ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	IIIIII/Dase	<1 0 0		
Boron Barium Molybdenum Manganese	ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	IIIIII/Dase	<1 0 0 0		
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	IIIIII/Dase	<1 0 0 0 0		
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm	ASTM D5185(m)	IIIIIIIIII	<1 0 0 0 0 0 0		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm	ASTM D5185(m)	IIIIIIIIII	<1 0 0 0 0 0 <1 20		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	IIIIIIIIII	<1 0 0 0 0 0 <1 20 <1		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	limit/base	<1 0 0 0 0 0 <1 20 <1 49		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	limit/base >20	<1 0 0 0 0 0 <1 20 <1 49	    	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	limit/base >20	<1 0 0 0 0 0 <1 20 <1 49 <1	    	history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	limit/base >20	<1 0 0 0 0 0 <1 20 <1 49 <1	    	history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	limit/base >20	<1 0 0 0 0 0 <1 20 <1 49 <1 current 0 0	history1	history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	limit/base >20 >20	<1 0 0 0 0 0 <1 20 <1 49 <1 current 0 0	history1	history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium Water	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	limit/base >20 >20 >0.1	<1 0 0 0 0 <1 20 <1 49 <1 current 0 0 0	history1	history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium Water ppm Water	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D6304*	limit/base >20 >20 >0.1 >1000	<1 0 0 0 0 0 <1 20 <1 49 <1 current 0 0 0 0 0 399	history1	history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium Water ppm Water INFRA-RED	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D6304* ASTM D6304*	limit/base >20 >20 >0.1 >1000	<1 0 0 0 0 0 <1 20 <1 49 <1 current 0 0 0 0.039 399 current	history1 history1	history2 history2



## **OIL ANALYSIS REPORT**





ISO 17025:2017 Accredited

Laboratory

 Laboratory
 : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

 Sample No.
 : WC
 Received
 : 14 Mar 2024

 Lab Number
 : 02622169
 Tested
 : 15 Mar 2024

 Unique Number
 : 5747288
 Diagnosed
 : 15 Mar 2024 - Bill Quesnel

Test Package : MOB 2 ( Additional Tests: TAN Man )
To discuss this sample report, contact Customer Service at 1-800-268-2131.

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.

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