

PROBLEM SUMMARY

Area Wide Cold Mill/Reduction Mill 80" MILL MAIN HYD (WCM003) (S/N 1000005874) Component

Hydraulic System

AW HYDRAULIC OIL ISO 46 (5000 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

PROBLEMATIC TEST R	ESULTS				
Sample Status			ABNORMAL	ABNORMAL	NORMAL
Particles >4µm	ASTM D7647	>5000	<u> </u>	1 1417	
Particles >6µm	ASTM D7647	>1300	A 3752	2056	
Oil Cleanliness	ISO 4406 (c)	>19/17/16	21/19/14	A 21/18/14	

Customer Id: ALGSSM Sample No.: WC0752306 Lab Number: 02577736 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 recommend you service the filters on this component.				
Resample			?	We recommend an early resample to monitor this condition.				
Information Required			?	Please specify the brand, type, and viscosity of the oil on your next sample.				

HISTORICAL DIAGNOSIS



29 Jan 2021 Diag: Wes Davis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using Advanced Oil Monitoring (AOM) kits for this system. The AOM test package includes advanced level testing to determine the suitability of turbine and large industrial compressor oils for continued use.All component wear rates are normal. Particles >4µm are abnormally high. Particles >6µm are notably high. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service (unconfirmed). The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



view report

12 Nov 2020 Diag: Wes Davis

Resample at the next service interval to monitor. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using Advanced Oil Monitoring (AOM) kits for this system. The AOM test package includes advanced level testing to determine the suitability of turbine and large industrial compressor oils for continued use.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service (unconfirmed).





Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using Advanced Oil Monitoring (AOM) kits for this system. The AOM test package includes advanced level testing to determine the suitability of turbine and large industrial compressor oils for continued use.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service (unconfirmed).





OIL ANALYSIS REPORT

Area Wide Cold Mill/Reduction Mill Machine Id 80" MILL MAIN HYD (WCM003) (S/N 1000005874)

Hydraulic System

AW HYDRAULIC OIL ISO 46 (5000 GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. 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.

	Mar2017	Sep2017 Jan2018	May2019 Nov2020	Aug2023	
MATION	method	limit/base	current	history1	history2
	Client Info		WC0752306	WC0419569	WC0434886
	Client Info		22 Aug 2023	29 Jan 2021	12 Nov 2020
hrs	Client Info		0	0	0
hrs	Client Info		0	0	0
	Client Info		N/A	N/A	N/A
			ABNORMAL	ABNORMAL	NORMAL
	method	limit/base	current	history1	history2
ppm	ASTM D5185(m)	>20	<1	<1	1
ppm	ASTM D5185(m)	>20	0	0	0
ppm	ASTM D5185(m)	>20	0	0	0
ppm	ASTM D5185(m)		0	0	0
ppm	ASTM D5185(m)		0	<1	<1
ppm	ASTM D5185(m)	>20	0	<1	<1
ppm	ASTM D5185(m)	>20	0	0	<1
ppm	ASTM D5185(m)	>20	<1	<1	2
ppm	ASTM D5185(m)	>20	0	0	0
ppm	ASTM D5185(m)		0	0	0
ppm	ASTM D5185(m)		0	0	0
ppm	ASTM D5185(m)		0	0	0
ppm	ASTM D5185(m)		0	0	0
	method	limit/base	current	history1	history2
ppm	ASTM D5185(m)	5	<1	<1	<1
ppm	ASTM D5185(m)	5	0	0	<1
ppm	ASTM D5185(m)	5	0	0	0
ppm	ASTM D5185(m)		0	0	0
ppm	ASTM D5185(m)	25	1	<1	<1
ppm	ASTM D5185(m)	200	68	45	34
ppm	ASTM D5185(m)	300	276	263	278
ppm	ASTM D5185(m)	370	319	335	347
ppm	ASTM D5185(m)	2500	820	735	707
	ASTM D5185(m)		4	<1	<1
ppm	()		<1		
ppm	method	limit/base	< I current	history1	history2
ppm ppm	method ASTM D5185(m)	limit/base	<i current <1</i 	<mark>history1</mark> <1	history2 <1
ppm ppm ppm	method ASTM D5185(m) ASTM D5185(m)	limit/base >15	<1 current <1 0	history1 <1 <1	history2 <1 <1
ppm ppm ppm ppm	method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base >15 >20	<1 current <1 0 <1	history1 <1 <1 <1	history2 <1 <1 <1
ppm ppm ppm ppm	method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) method	limit/base >15 >20 limit/base	<1 current <1 0 <1 current	history1 <1 <1 <1 <1 history1	history2 <1 <1 <1 <1 history2
ppm ppm ppm ppm JESS	method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) method ASTM D7647	limit/base >15 >20 limit/base >5000	<1 current <1 0 <1 current ▲ 19835	history1 <1 <1 <1 <1 history1 ▲ 11417	history2 <1 <1 <1 <1 history2
ppm ppm ppm ppm IESS	Method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) Method ASTM D7647 ASTM D7647	limit/base >15 >20 limit/base >5000 >1300	<1 current <1 0 <1 current 19835 3752	history1 <1 <1 <1 history1 ▲ 11417 ▲ 2056	history2 <1 <1 <1 <1 history2
ppm ppm ppm ppm JESS	method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) method ASTM D7647 ASTM D7647 ASTM D7647	limit/base >15 >20 limit/base >5000 >1300 >640	<1 current <1 0 <1 current 19835 3752 82	history1 <1 <1 <1 <1 history1 ▲ 11417 ▲ 2056 90	history2 <1 <1 <1 <1 history2
ppm ppm ppm ppm JESS	method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >15 >20 limit/base >5000 >1300 >640 >160	<1 current <1 0 <1 current 19835 3752 82 12	history1 <1 <1 <1 history1 ▲ 11417 ▲ 2056 90 16	history2 <1 <1 <1 history2
ppm ppm ppm JESS	method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) Method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >15 >20 limit/base >5000 >1300 >640 >160 >40	<1 current <1 0 <1 current 19835 3752 82 12 1	history1 <1 <1 history1 ▲ 11417 ▲ 2056 90 16 1	history2 <1 <1 <1 history2
ppm ppm ppm JESS	method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) Method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >15 >20 limit/base >5000 >1300 >640 >160 >40 >10	<1 current <1 0 <1 current 19835 3752 82 12 12 1 1 1	history1 <1 <1 history1 ▲ 11417 ▲ 2056 90 16 1 0	history2 <1 <1 <1
ppm ppm ppm NESS	methodASTM D5185(m)ASTM D5185(m)ASTM D5185(m)MethodASTM D7647ASTM D7647ASTM D7647ASTM D7647ASTM D7647ASTM D7647ASTM D7647ISO 4406 (c)	limit/base >15 >20 limit/base >5000 >1300 >640 >160 >40 >10 >10 >19/17/16	<1 current <1 0 <1 current 19835 3752 82 12 12 1 1 1 21/19/14	history1 <1 <1 history1 ▲ 11417 ▲ 2056 90 16 1 0 ▲ 21/18/14	history2 <1
ppm ppm ppm JESS	method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) Method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ISO 4406 (c) method	limit/base >15 >20 limit/base >5000 >1300 >640 >160 >40 >10 >10 >10/17/16	<1 current <1 0 <1 current 19835 3752 82 12 12 1 1 21/19/14 current	history1 <1 <1 history1 ▲ 11417 ▲ 2056 90 16 1 0 ▲ 21/18/14	history2 <1 <1 <1 history2 history2
	ATION hrs hrs ppm ppm ppm ppm ppm ppm ppm ppm ppm p	ATION method Client Info Client Info Info ASTM D5185(m) Info ASTM	MATION method limit/base Client Info Client Info hrs Client Info hrs Client Info hrs Client Info hrs Client Info client Info Client Info hrs Client Info client Info Client Info ppm ASTM D5185(m) ppm ASTM D5185(m)	MATION method limit/base current Client Info WC0752306 Inrs Client Info 0 hrs Client Info 0 hrs Client Info 0 hrs Client Info 0 client Info 0 N/A client Info 0 N/A client Info 0 N/A pmm ASTM D5185(m) >20 <1	MATION method limit/base current history1 Client Info WC0752306 WC0419569 Client Info 22 Aug 2023 29 Jan 2021 hrs Client Info 0 0 Karlon Queree 0 0 hrs Client Info 0 0 Client Info VC0752306 WC0419569 Astmostic N/A N/A pm Client Info 0 0 Client Info VC0 ABNORMAL ABNORMAL ppm ASTM D5185(m) >20 <1

Sample Rating Trend

ISO

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Contact/Location: Maintenance Technology - Algoma Reliability - ALGSSM



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OIL ANALYSIS REPORT

scalar

scalar

scalar

scalar Visual*

method

Visual*

Visual*

Visual*





limit/base

NONE

NONE

NONE

NONE

current

NONE

NONE

NONE

NONE

history1

NONE

NONE

NONE

NONE

history2

NONE

NONE

NONE

NONE

Bottom



Contact/Location: Maintenance Technology - Algoma Reliability - ALGSSM