

PROBLEM SUMMARY

Sample Rating Trend **VISUAL METAL**

Machine Id COALMILL-1/K1/TC Component

Gearbox

ISO 460 (550 LTR)

COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

We were unable to perform a particle count due to a high concentration of particles present in this sample. We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL		
White Metal	scalar	*Visual	NONE	▲ HEAVY	▲ HEAVY	NONE		
Debris	scalar	*Visual	NONE	▲ HEAVY	▲ HEAVY	▲ MODER		

Customer Id: JPOWERBD Sample No.: WCI2097842 Lab Number: 02692084 Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 ihester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

Action Status Date Done By Description Change Filter --- ? We recommend you service the filters on this component if applicable. Alert --- ? We were unable to perform a particle count due to a high concentration of

particles present in this sample.

HISTORICAL DIAGNOSIS

29 Jun 2009 Diag: Doug Bogart

VISUAL METAL



We were unable to perform a particle count due to a high concentration of particles present in this sample. We recommend you service the filter/screen on this component if applicable. Resample at the next service interval to monitor. High concentration of visible metal present. All component wear rates are normal. High concentration of visible dirt/debris present in the oil. The condition of oil is suitable for further service. The viscosity index is 251.



16 Jun 2008 Diag: Doug Bogart

VISUAL METAL



We were unable to perform a particle count due to a high concentration of particles present in this sample. We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. High concentration of visible metal present. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of oil is suitable for further service. The viscosity index is 251.





OIL ANALYSIS REPORT

Sample Rating Trend **VISUAL METAL**





COALMILL-1/K1/TC

Component

Gearbox

ISO 460 (550 LTR)

DIAGNOSIS

Recommendation

We were unable to perform a particle count due to a high concentration of particles present in this sample. We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

Wear

High concentration of visible metal present. All component wear rates are normal.

Contamination

High concentration of visible dirt/debris present in the oil.

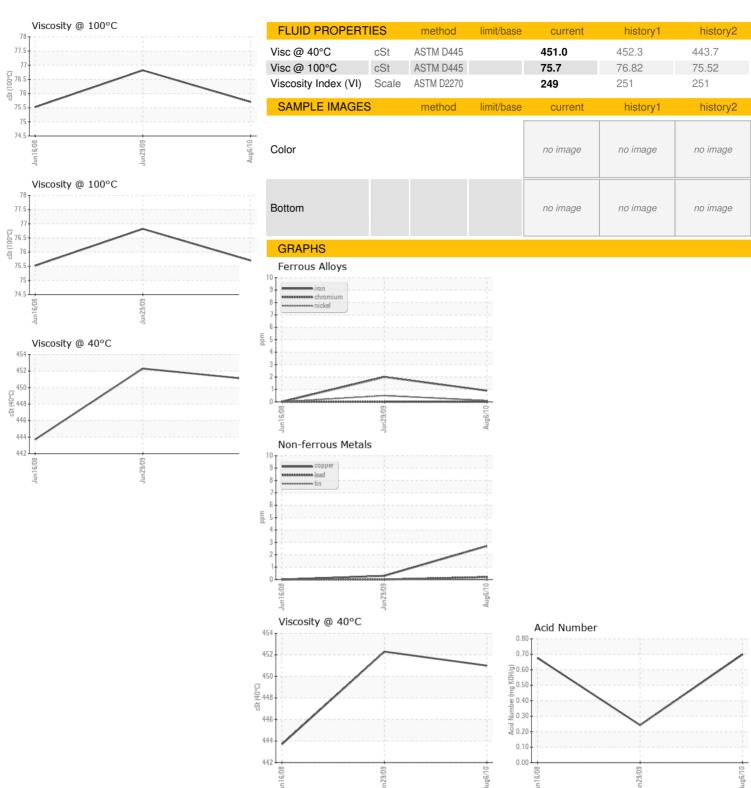
Fluid Condition

The condition of oil is suitable for further service. The viscosity index is 249.

Sample Date Client Info 06 Aug 2010 29 Jun 2009 16 Jun 2008 Machine Age mths Client Info 0 0 0 Oil Age mths Client Info 40 27 15 Oil Changed Client Info N/A N/A N/A			Jun2008 Jun2009 Au			2010		
Sample Date	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2	
Machine Age mths Client Info 40 27 15 Oil Age mths Client Info 40 27 15 Oil Changed Client Info N/A N/A N/A N/A Sample Status Brond ABNORMAL ABNORMAL ABNORMAL ABNORMAL WEAR METALS method limit/base current history1 history2 Iron ppm ASTM 05185m 0 0 0 0 Nickel ppm ASTM 05185m 0 0 0 0 Nickel ppm ASTM 05185m 3 6 0 0 Alluminum ppm ASTM 05185m 0 0 0 0 Lead ppm ASTM 05185m -1 -1 -1 0 Copper ppm ASTM 05185m 0 -1 0 0 Antimory ppm ASTM 05185m 0 -1 0 0 Appo	Sample Number		Client Info		WCI2097842	WCI2091289	WCI288579	
Machine Age mths Client Info 0 0 0 0 Oil Age mths Client Info 40 27 15 Oil Changed Client Info N/A N/A N/A ABNORMAL ABNORMAL ABNORMAL ABNORMAL WEAR METALS method limitbase current history1 history2 Iron ppm ASTM D5185m <1	Sample Date		Client Info		06 Aug 2010	29 Jun 2009	16 Jun 2008	
Oil Changed mths Client Info N/A N/A N/A N/A Sample Status method limit/base current history1 history2 Iron ppm ASTM D5185m <1 2 0 Chromium ppm ASTM D5185m 0 0 0 Nickel ppm ASTM D5185m 3 6 0 Silver ppm ASTM D5185m 3 6 0 Silver ppm ASTM D5185m 0 0 0 Dead ppm ASTM D5185m 3 6 0 Silver ppm ASTM D5185m 0 0 0 Copper ppm ASTM D5185m <1 <1 0 Lead ppm ASTM D5185m 3 <1 0 0 Copper ppm ASTM D5185m 0 0 0 0 Tin ppm ASTM D5185m 0 0 0	•	mths	Client Info		_	0	0	
Sample Status method limit/base current history1 history2 Iron ppm ASTM D5185m <1	Oil Age	mths	Client Info			27	15	
Mathematical Mat	Oil Changed		Client Info		N/A	N/A	N/A	
Iron	Sample Status				ABNORMAL	ABNORMAL	ABNORMAL	
Chromium ppm ASTM D5185m 0 0 0 Nickel ppm ASTM D5185m -1 -1 0 Titanium ppm ASTM D5185m 0 0 0 Silver ppm ASTM D5185m 0 0 0 Aluminum ppm ASTM D5185m -1 -1 0 Lead ppm ASTM D5185m -1 0 0 Copper ppm ASTM D5185m 0 0 0 Tin ppm ASTM D5185m 0 0 0 Antimony ppm ASTM D5185m 0 0 0 Vanadium ppm ASTM D5185m 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 Boron ppm ASTM D5185m 2 7 0 Molybdenum ppm ASTM D5185m 2 7 0 Molybdenum ppm ASTM D518	WEAR METALS		method	limit/base	current	history1	history2	
Nickel	Iron	ppm	ASTM D5185m		<1	2	0	
Titanium	Chromium	ppm	ASTM D5185m		0	0	0	
Silver ppm ASTM D5185m 0 0 0 Aluminum ppm ASTM D5185m <1	Nickel	ppm	ASTM D5185m		<1	<1	0	
Silver ppm ASTM D5185m 0 0 0 Aluminum ppm ASTM D5185m <1	Titanium	ppm	ASTM D5185m		3	6	0	
Aluminum ppm ASTM D5185m <1 <1 0 Lead ppm ASTM D5185m <1	Silver		ASTM D5185m		0	0	0	
Lead ppm ASTM D5185m <1 0 0 Copper ppm ASTM D5185m 3 <1 0 Tin ppm ASTM D5185m 0 0 0 Antimony ppm ASTM D5185m 0 0 0 Vanadium ppm ASTM D5185m 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 Cadmium ppm ASTM D5185m <1 <1 0 Barium ppm ASTM D5185m 2 7 0 Barium ppm ASTM D5185m 2 7 0 Molybdenum ppm ASTM D5185m 21 <1 0 Magnesium ppm ASTM D5185m 0 1 0 0 Calcium ppm ASTM D5185m 0 2 0 0 Zinc ppm ASTM D5185m 319 544 219 0	Aluminum		ASTM D5185m			<1	0	
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Precipitate scalar *Visual NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NONE HEAVY HEAVY MODER Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Odor scalar *Visual NORML NORML NORML NORML Emulsified Water scalar *Visual NORML NEG NEG	White Metal	scalar	*Visual	NONE	▲ HEAVY	▲ HEAVY	NONE	
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Sand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*VisualNEGNEG								
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Emulsified Water scalar *Visual NEG NEG NEG	• •							
				. TOT HVIL				



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number Unique Number : 5297092

: WCI2097842 : 02692084

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

: 19 Aug 2010 Diagnosed

: 22 Aug 2010 Diagnostician : Jonathan Hester

Test Package : IND 2 (Additional Tests: Bottom, KV100, PrtCount, VI)

Contact: KENTO OKUHARA Mitsuo_Miyahara@jpower.co.jp T:

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)

J/POWER-BD

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