

FILE NAME: Chrysler (CHRY)

DATE: 2006 June 30

DOC#: CHRY160

DOCUMENT DESCRIPTION: Unpublished Internal Asbestos Material Analysis

MATERIALS ANALYTICAL SERVICES, INC.
PLM ANALYSIS

Proj#-Spl#: M39833 - 003 Analyst Paul Hess Date: 6/30/2006
 ClientName: Kazan, McClain, Edises, Abrams, Fernandez, Lyons ClientSpl: 3
 Location: front
 Type_Mat: direct clutch
 Gross Brown fibrous compressed square pattern layer on both sides thin metallic flat ring, dark
 Visual: fibers/bundles visible

OPTICAL DATA FOR ASBESTOS IDENTIFICATION

Morphology	<u>straight</u>	<u>straight</u>	
Pleochroism	<u>blue/gray</u>	<u>none</u>	
Refract Index	<u>1.690/1.695</u>	<u>1.690/1.680</u>	
Sign	<u>negative</u>	<u>positive</u>	
Extinction	<u>parallel</u>	<u>parallel</u>	
Birefringence	<u>low</u>	<u>low</u>	
Melt	<u>no</u>	<u>no</u>	
Fiber Name	<u>Crocidolite</u>	<u>Amosite</u>	

ASBESTOS MINERALS

EST. VOL. %

Chrysotile.....
 Amosite.....
 Crocidolite.....
 Tremolite/Actinolite.....
 Anthophyllite.....

2
4

OTHER FIBROUS COMPONENTS

Cellulose -ribbony

90

NON FIBROUS COMPONENTS

 Binder

4

Effervescence: None.

Binder Description: organics

Comments: Four flat coated rings are in sample with each ring having the same material on each side.

*aut. trans.
 prod. in 1973
 mobile home*

**MATERIALS ANALYTICAL SERVICES, INC.
PLM ANALYSIS**

Proj#-Spl#: M39833 - 004 Analyst Paul Hess Date: 6/30/2006
 ClientName: Kazan, McClain, Edises, Abrams, Fernandez, Lyons ClientSpl: 4
 Location: 2nd gear
 Type_Mat: intermediate band
 Gross Brown compressed layer of ribbony fibers with dark fibers/bundles visible on inside surface of flexible
 Visual: metal band.

OPTICAL DATA FOR ASBESTOS IDENTIFICATION

Morphology	<u>straight</u>	<u>straight</u>	
Pleochroism	<u>blue/gray</u>	<u>none</u>	
Refract Index	<u>1.690/1.695</u>	<u>1.690/1.680</u>	
Sign	<u>negative</u>	<u>positive</u>	
Extinction	<u>parallel</u>	<u>parallel</u>	
Birefringence	<u>low</u>	<u>low</u>	
Melt	<u>no</u>	<u>no</u>	
Fiber Name	<u>Crocidolite</u>	<u>Amosite</u>	

ASBESTOS MINERALS

EST. VOL. %

Chrysotile.....
 Amosite.....
 Crocidolite.....
 Tremolite/Actinolite.....
 Anthophyllite.....

2
4

OTHER FIBROUS COMPONENTS

Cellulose -ribbony

90

NON FIBROUS COMPONENTS

 Binder

4

Effervescence: None.

Binder Description: organics

Comments: _____
