



Inter Office

Personnel and Organization Staff

4 April 1984

Mr. F. F. McGaw
Senior Safety Engineer
Iona Engine Plant

cc R. J. Manthey

Subject: ENGINE GASKET ANALYSES FOR ASBESTOS CONTENT

Attached is a copy of the asbestos analyses of the two gaskets you submitted for evaluation. As you can see, both gaskets contain considerable amounts of chrysotile asbestos. Asbestos has been associated with adverse health effects developed after long latency periods. These health effects include asbestosis and certain types of cancer. The following actions should be taken:

- o Contact your plant Manufacturing Engineering Manager to see if a substitute material is available that provides acceptable product quality.
- o Immediately contact the suppliers of the gaskets and inform them that they should insure that gaskets and containers shipped to Iona Engine Plant or any other Ford Motor Company facility do not contain loose asbestos fibers or dust. This can be accomplished by lining the shipping containers with an adhesive coated "sticky" paper, making sure dies are sharp and provide a clean cut, and layering the gaskets between an adhesive paper.
- o Inform the suppliers that they must assure the plant that no asbestos form talc is being used as packing or separating compound.
- o Request air monitoring of the gasket operation as soon as the suppliers assure the plant the preceding control actions have been taken.

H. B. Inck, Industrial Hygiene Associate
Industrial Hygiene Section
Employee Health Services

jb
Attachment

3007 0779 SCF-FORD-3476

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CENTRAL LABORATORY SERVICES
LABORATORY INVESTIGATION REPORT

NUMBER 400931

March 6, 1984

TO: L. Latorre

SUBJECT: Gaskets from Lima Engine Plant

OBJECT: Determine if asbestos is present and if present identify and quantify.

CONCLUSION: The two samples were identified as 84-0380 and 84-0381; both contained asbestos at levels greater than 1%.

TEST DATA:

<u>Sample #</u>	<u>Asbestos % and Type</u>	<u>Fiberglass⁽¹⁾</u>	<u>Friability</u>	<u>Balance-Other Components</u>
84-0380 (Light gray gasket)	51% chrysotile	ND	Non-friable	Organic binder, mine. granules, paper fiber; metal substrate.
84-0381 (Dark gray gasket)	48% chrysotile	ND	Non-friable	Organic binder, metal substrate, mineral granules, paper fiber

ND - none detected, detection limit 1%.

(1) Fiberglass: including fiberglass, mineral wool, and slag wool.

Test Method: Interim Method for The Determination of Asbestos in Bulk Insulation Samples. U.S. EPA December, 1982.

DS/pk

by David Spaight
David Spaight, Engineer
Metallurgy Department

U. 16011-2

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