UC 149-2

UNION CARBIDE

INTERNAL CORRESPONDENCE

METALS DIVISION

• P.O. BOX 579 - 4625 ROYAL AVE., NIAGARA FALLS, NEW YORK 14302

RECEIVED
NOV 11 1976

To (Name) Dr. H. B. Rhodes
Division UCC - Metals Division
Location Niagara Falls, NY

Date November 8, 1976
Originating Dept. "Calidria" Asbestos
Answering letter date

Copy to Messrs. R. E. Byrne, Jr.
G. L. Dickson
E. J. Kleber
F. H. Larrison
J. L. Myers
T. P. Norris
R. L. Schult
W. C. Thurber
J. E. Walsh
File

Subject Marketing Services - Work Assignments during the period January 1 - October 31, 1976

J-4

Listed in the enclosed attachments are the activities included under Technical Services, Customer Sampling, Asbestos Monitoring & Counting Services and Developmental & Plant Assistance Projects worked on during the interium January 1 - October 31, 1976 by "Calidria" Asbestos Marketing Services. In addition to the aforementioned, Quality Control tests were performed routinely on monthly composites of all "Calidria" products produced at the King City plant.

In the future, a status report of Market Service activities will be issued quarterly starting the first of the year.

B. L. Ingalls

BLI:dal
Enclosures

DEVELOPMENTAL PROGRAMS
&
PLANT ASSISTANCE

Month	Requested By	Job Description
January	E. C. Madlangbayan	Study of Interlaboratory variance of RG-244 polyester viscosity test.
	H. B. Rhodes	Oil-based drilling fluids - Rheological properties with "Calidria" products.
	H. B. Rhodes	Preparation of CK-2103 resin coated SVB product.
	H. B. Rhodes	Drilling fluids - 35% $CaCl_2$ formulation.
	B. L. Ingalls	Investigation of RG-244 aqueous rheological properties of dispersions as related to RG-244 QC polyester viscosity test.
	J. E. Skvarla	Preparation of washed RG-244 material.
	B. L. Ingalls	Comparison of RG-244 wet bulk densities-lab compared V.S. plant product.
	B. L. Ingalls	Comparison of competitive Flosal product and SVB in drilling fluids; i.e., (Drilling Fluids Program).
February	F. H. Larrison	Comparison of Australian and Dupont TiO_2 products.
	B. L. Ingalls	Drilling Fluids Program (continued).
March	F. H. Larrison	Studies related to RG-244 circuit - analysis of SiO_2 retained on product - extended over several months.
	J. E. Skvarla	Tests for properties of RG-244 FMC - dryer discharge material.
	B. L. Ingalls	Continuation of RG-244 Rheological properties in aqueous dispersions.
April	F. H. Larrison	Studies related to RG-244 circuit - Quality Control (including two weeks on plant site).
	J. J. Militello	RG-244 prepare circuit study - determine physical properties of samples obtained around cyclone circuits.

Month	Requested By	Job Description
April (Cont'd)	B. L. Ingalls	Continue RG-244 Rheological Program.
May	J. J. Militello	Continuation of RG-244 circuit study (cyclone sample).
	J. J. Militello	FMC - Dryer study - tested RG-244 dryer discharge samples in polyester.
June	R. E. Byrne, Jr.	Preparation of HDPE - 40% RG-600 test plaques.
	J. J. Militello	Reitz Thermal Screw Dryer Study - tested dryer discharge samples in polyester.
	J. J. Militello	Continued FMC Dryer Study (samples tested).
	J. E. Skvarla & H. B. Rhodes	Tested special plant run of COF-25 product.
July	R. E. Byrne, Jr.	Preparations of polypropylene/RG-600 test plaques.
	B. L. Ingalls	Drilling Fluids Program (continuation).
August	H. B. Rhodes	Drilling Fluids Program (continuation).
September	B. L. Ingalls	Drilling Fluids Program (continuation).
October	S. Ramachandran	Prepared silane treated RG-244 product - tested for properties in polyester and drilling fluids.
	J. L. Myers	Preliminary evaluation of dust free "wetted" SVB product (press cake - pellet blend).
	B. L. Ingalls	Drilling Fluids Program (continuation).
	E. C. Madlangbayan	Comparison of RG-244 Quality Control standards for QC polyester viscosity tests.

TECHNICAL SERVICE

Month	Customer	UCC Rep.	Job Description
January	Parr, Inc., OH	GLD	Investigation of corrosion problem attributed to HPO.
February	Riverside Cement, CA	TPN	Comparison of wet bulk properties of HPO and RG-110.
	Intercoastal, CA	TPN	Determine optimum formulation for SG-210 in lubricant application.
	Solvean, CA	TPN	Speciality polymer wetted RG-244 product prepared for customer.
	Inmont, CANADA	GLD	Investigation of plant in-line filter plugging by RG-244.
March	Avco, MA	GLD	Verification of RG-244 product quality for customer.
	Kirkhill Rubber Co.,	EJK	Special preparation of RG-600 product for customer evaluation.
	Jim Walters Research	JEW	Prepared speciality DMBP coated mineral fibers product for evaluation.
		JEW	Determined comparative wet bulk properties of T-135.
	UCC Marketing Sales Service	REB	Recheck of oil absorption properties of current RG-144 production.
April	Parr, Inc., OH	GLD	Competitive product comparison.
	Gibson-Homans, OH	GLD	Identification of asbestos material in customer product.
	Shell Corp., ENGLAND	JLM	Investigation of off spec SX-24 complaint.

Month	Customer	UCC Rep.	Job Description
April (Cont'd)	Celotex Corp., NJ	JEW	Competitive product comparison.
	Mobil Chemical Co., NJ	GLD	Identify presence of asbestos material in phenolic product.
	Parr, Inc., OH	GLD	Comparison of Cab-o-sil & RG-244 properties in thero-plastic rubber compound.
	Nittoh Boseki, JAPAN	JLM	Investigation of "hard" HPP product reported by customer.
	Rapid Systems, OH	GLD	Identification of mineral additives in asbestos free tape joint compounds.
	Epoxylite, CA	TPN	Determined extent of airborne asbestos emissions due to grinding of cured epoxy encapsuled RG-144 material.
May	W. R. Grace	JLM	Investigated customer complaint regarding color problem with SX-24.
	W. R. Grace	JLM	Prepared speciality RG-244 for customer evaluation (SX-20).
July	Adell Plastics, Inc.,MD	REB	Prepared and tested plaques of polypropylene/ RG-600.
August	GAF Corporation	JLM	Investigation of customer complaint regarding use of SG-100 in floor tile
September	UCC Marketing Services	JEW/TPN	Renovation of Pellet Repulper R-4 for customer use.
October	Copolymer Chemical, MI	EJK	Investigation of customer complaint regarding RG-144 efficiency.
	Murco Drywall Products, TX	JEW	Assisted with installation of pellet repulper R-1 at customer's facilities.

DUST COUNT SERVICES

Month	Customer	UCC Sales Rep.
January	Ruco, Inc. Shawnee Mission, KS	EJK
	Talon, Inc. Passiac, NJ	GLD
	Vimasco Corporation Nitro, WV	GLD
	Alpha Chemicals Perris, CA	TPN
	Ruco, Inc. Shawnee Mission, KS	EJK
	Epoxolite Anaheim, CA	REB
February	Jamestown Paint Jamestown, PA	GLD
March	Freeman Chemicals Saukville, WI	EJK
	Apperson Jacksonville, FL	EJK
	A-Z Products Eaton Park, FL	EJK
	Toolworld Eustis, FL	JEW
	Norton Company Ravenna, OH	GLD
April	Chevron Oakland, CA	REB
	Epoxolite Anaheim, CA	REB
	Freeman Chemical Chatham, VA	GLD
	Elixer Garden, CA	EJK
	Apperson Pampano Beach, FL	EJK
	Century Los Angeles, CA	REB
	Epoxolite Anaheim,CA	TPN

Month	Customer	UCC Sales Rep.
April (Cont'd)	Richtex Richmond, CA	TPN
	Mica Seal San Francisco, CA	TPN
	FRM, Inc. Ft. Lauderdale, FL	JEW
May	Standard Brands Paints Torrance, CA	TPN
	Vimasco Nitro, WV	GLD
June	Interplastic Minneapolis, MN	EJK
	Thermon Manufacturing San Marco, TX	JEW
	Adell Plastics Baltimore, MD	GLD
	Exeter Corp. Rig 21 Gillette, WY	HBR
	Exeter Corp. Rig 8 Gillette, WY	HBR
	Exeter Corp. Rig 2 Gillette, WY	HBR
	Petro Chemical Gillette, WY	HBR
	Wyoming Mud Casper, WY	HBR
	Wyoben Products Yellowstone, WY	HBR
	Wyoben Products Gillette, WY	HBR
July		
August	Denver Drywall Denver, CO	HBR
	J/M World Headquarters Denver, CO	HBR
	Chicago Mastic Rosemont, IL	EJK
	Honshu Seishi Company Japan	JLM
	Matsushita Denko Japan	JLM

Month	Customer	UCC Sales Rep.
August (Cont'd)	Solvean Vallesco, CA	JLM
September	Touhoku Japan	JLM
	Koshin Japan	JLM
October	RCA Rubber Akron, OH	EJK
	Interplastics Pryor, OK	JEW
	Polyguard Pipe Ennis, TX	JEW
	Red Devil, Inc. Pryor, OK	JEW
	Ruco Merriam, KS	JEW

BLI/GJS:dal
11/4/76

"CALIDRIA" SAMPLE REQUESTS

Customer	Date	Resin Grade								Standard Grade								Sylodex					
		T44	244	600	600(PP)	600(HDPE)	100	110	644	210	130	200	100	102	HPO	HPP	COF-25	10	14	20	T-135	Fumed Silica	Sales Literature
UCC Bound Brook, NY	1/ 2/76																						
Norton Company	1/16/76	x																					
Duraplex, Inc.	1/16/76		x																				
Vimasco Corporation	1/16/76		x																				
Mogol Corporation	1/19/76		x																				
Atec Chemical Co.	1/19/76	x	x																				
UCC New York, NY	1/23/76		x																				
Sioco Sealants	1/26/76		x																				
S W Grease & Oil Co.	2/ 2/76		x																				
Esb. Technical Center	2/ 2/76		x																				
Diamond Shamrock	2/11/76	x																					
Montello, Inc.	2/12/76	x																					
Esb. Technical Center	2/13/76		x																				
Technical Prods, Inc.	2/25/76		x																				
Hempal Marine	2/26/76		x																				
Sioux City Mosaics	2/27/76		x																				
Morten Chemical	3/ 1/76	x																					
Westinghouse	3/ 1/76	x																					
Kentile Floors	3/ 3/76		x																				
UCC Bound Brook	3/ 4/76		x																				
Freeman Chemical	3/ 5/76	x																					
Uof Michigan	3/ 5/76	x																					
Upjohn Company	3/ 8/76		x																				
Technical Prods.	3/ 8/76	x																					
Moffet Tech. Center	3/10/76	x	x																				
Stouffer Chemical Co.	3/11/76		x																				
National Mfg. Company	3/17/76		x																				
Whittaker, Clark & Daniels	3/19/76		x																				
Quaker Oats Co.	3/19/76		x																				
Spurlock Taxidermy	3/19/76	x																					
Krous Taxidermy	3/22/76	x																					
Reichold Chemical	3/22/76		x																				
Clearfield Taxidermy	3/23/76	x																					

UCC 004036

"CALIDRIA" SAMPLE REQUESTS

Customer	Date	Resin Grade								Standard Grade								Sylodex					Sales Literature
		144	244	600	600(PP)	600(HDPE)	100	110	644	210	130	200	100	102	HPO	HPP	COF-25	10	14	20	T-135	Fumed Silica	
H&C	3/23/76	x																					
Hi Temp. Wires, Inc.	3/23/76		x																				
Joslyn Elec. Prods.	3/26/76		x																				
Piper Aircraft	3/26/76		x																				
G S Plastics	4/ 1/76		x																				
Porter Paint Co.	4/ 1/76	x	x																				
Organic Materials	4/ 1/76		x																				
Quaker Oats	4/ 1/76		x																				
U.S. Steel Corp.	4/ 1/76		x																				
I.T.T. Research	4/ 1/76	x																					
Utility Products	4/ 2/76	x	x																				
Johns-Manville	4/ 5/76		x																				
Dampner Company	4/ 7/76		x																				
Lubritech Products	4/ 8/76		x																				
Reichhold Chemical	4/ 8/76		x																				
UPACA Adhesives	4/13/76		x																				
A. L. Smith	4/16/76		x																				
Siemans Corporation	4/20/76	x	x																				
Shakeproof Tool	4/20/76		x																				
Eastern Research	4/26/76		x																				
Modilass Fibers	4/27/76		x																				
J. C. Dolph	4/28/76		x																				
Niles Chemical Co.	4/28/76	x	x																				
Ocello	4/29/76		x																				
Tracor, Inc.	5/ 4/76		x																				
Utility Products	5/ 4/76	x	x																				
Atec Chemical	5/13/76		x																				
ADCO Products	5/18/76		x																				
David Liter Labs	5/18/76	x	x																				
Troy Engineering	5/19/76	x																					
Mase Plastics	5/25/76		x																				
Japan	5/25/76		x																				
Carboline Company	5/26/76	x																					
Reklein Plastics	6/ 3/76		x																				

UCC 004037

"CALIDRIA" SAMPLE REQUESTS

Customer	Date	Resin Grade								Standard Grade								Sylodex					Sales Literature
		144	244	600	600(PP)	600(HDPE)	100	110	644	210	130	200	100	102	HPO	HPP	COF-25	10	14	20	T-135	Fumed Silica	
Bendix Corporation	6/ 3/76		x																				
Buck Ree Mears Co.	6/ 7/76	x																					
UCC New York, NY	6/ 8/76	x																					
Bacon Ind.	6/ 9/76	x																					
Global Plastics	6/15/76	x	x																				
Northern Coatings	6/16/76		x																				
Manus Products	6/16/76	x	x																				
Manus Products	6/16/76	x	x																				
W. R. Grace	6/17/76	x	x																				
Mich Chemical Co.	6/17/76	x	x																				
Gulf & Western	6/18/76	x	x																				
3M	6/18/76	x																					
John Udherson Corp.	6/18/76	x																					
Loes Enterprises	6/25/76	x	x																				
CH Masland Company	6/29/76	x																					
Tech. Petroleum	7/13/76	x	x																				
Balt. Paint & Chem.	7/13/76	x	x																				
P.P.G. Ind.	7/ 9/76	x																					
W. R. Grace	7/ 8/76	x																					
Oxy Metals	7/15/76		x																				
W. R. Grace	7/19/76	x	x																				
Ultra Adhesives	7/21/76		x																				
Poly Chem Ind.	7/28/76	x	x																				
EGW Mfg.	8/ 2/76		x																				
Permalac Corp.	8/ 2/76		x																				
Resin Services	8/ 3/76	x																					
Untink Co., Inc.	8/ 9/76	x	x																				
Hardiman, Inc.	8/10/76		x																				
Strathmore Prods.	8/13/76		x																				
Dural International	8/20/76		x																				
Hoover B.B. Company	8/24/76	x	x																				
L. Blackford Co.	8/26/76		x																				
U.S. Envin. Prot. Ag.	8/27/76	x																					
Premco	8/27/76		x																				

UCC 004038

"CALIDRIA" SAMPLE REQUESTS

Customer	Date	Resin Grade								Standard Grade								Sylodex					Sales Literature
		144	244	600	600(PP)	600(HDPE)	100	110	644	210	130	200	100	102	HPO	HPP	COF-25	10	14	20	T-135	Fumed Silica	
GAGE Prod. Company	9/ 8/76	x	x																				
Copolymer Chemical	9/13/76		x																				
Wallace Clark Co.	9/15/76		x																				
Penn State University	9/16/76	x																					
Burnett Chemical	9/21/76	x	x																				
Porter Coatings	9/24/76		x																				
Porter Coatings	9/28/76		x																				
Borg Warner Chem. Co.	1/ 5/76			x																			
Delco Air Cond. Div.	1/16/76			x																			
Atec Chemical Co.	1/19/76			x																			
UCC New York, NY	1/23/76			x																			
Goodyear	1/26/76			x																			
Resinex Corp.	1/27/76			x																			
Joslyn Electric	2/10/76			x																			
Crown Div.	2/12/76			x																			
Mich. Chemical Corp.	2/18/76			x																			
Hooker Chemical	3/ 9/76			x																			
Wash. Pen & Plast.	3/11/76			x																			
Acme Resin	3/16/76			x																			
Jacob Szytek	3/17/76			x																			
Royal Electric Div.	3/18/76			x																			
Wittaker, Clark & Dan.	3/19/76			x																			
Quaker Oats Co.	3/19/76			x																			
H & C	3/23/76			x																			
Hi Temp Wires, Inc.	3/23/76			x																			
Organic Materials	4/ 1/76			x																			
PMS	4/ 5/76			x																			
Shell Research	4/ 5/76			x																			
Temco Kalamazoo	4/12/76			x																			
UCC Bound Brook	4/12/76			x																			
King City - UCC	4/26/76			x																			
Tomoe Eng., Japan	4/26/76			x																			
UCC - King City	4/29/76			x																			
Ugine Kuhlmer	5/ 4/76			x																			

UCC 004039

"CALIDRIA" SAMPLE REQUESTS

Customer	Date	Resin Grade								Standard Grade								Sylodex				Fume
		144	244	600	600(PP)	600(HDPE)	100	110	644	210	130	200	100	102	HPO	HPP	COF-25	10	14	20	T-135	Sil
Hercules, Inc.	5/ 4/76			x																		
UCC - NJ	5/ 6/76			x																		
Adell Plastics	5/10/76			x																		
Foseco Finep, Inc.	5/10/76			x																		
Exxon Research	5/25/76			x																		
E.W. Spence Co.	6/14/76			x																		
Stauler Chem. Co.	6/16/76			x																		
Poly Plastics Prod.	6/21/76			x		x																
Cont. Mfg. Company	6/22/76					x																
UCC - Bound Brook	6/22/76					x																
Tomoe Engineering	6/29/76			x		x																
Furn City Molding	7/ 2/76			x																		
Emcomet Plastics	7/14/76			x																		
Cakson Ind.	7/ 9/76			x		x																
Gulf Oil Company	7/15/76			x		x																
B. F. Goodrich	7/15/76			x																		
UCC - Bound Brook	7/19/76				x																	
Tomoe Engineering	7/20/76				x																	
Conwed Corporation	7/20/76			x																		
Hercules, Inc.	8/13/76				x																	
Whirlpool Corp.	8/ 5/76				x																	
Furn. City Molding	8/ 6/76				x																	
Diamond Shamrock	8/ 7/76			x	x	x																
Diamond Shamrock	8/13/76			x																		
Cont. Mfg. Company	8/17/76				x																	
Lone Star Gas Co.	8/20/76				x	x																
B. F. Goodrich	8/20/76			x																		
UCC - Bound Brook	8/23/76					x																
Oil States Rubber Co.	8/25/76			x																		
Exxon, Inc.					x	x																
Piper Ind.	8/31/76					x																
Rubber Res. Elast, Inc	9/ 3/76				x	x																
Inter Cont. Plastics	9/ 3/76			x																		
Liberty Mfg. Co.	9/ 3/76				x	x																
Island Plastics	9/13/76				x																	

UCC 004040

"CALIDRIA" SAMPLE REQUESTS

Customer	Date	Resin Grade								Standard Grade								Sylodex					
		144	244	600	600(PP)	600(HDPE)	100	110	644	210	130	200	100	102	HPO	HPP	COF-25	10	14	20	T-135	Fumed Silica	Sales Literature
Dayco Corporation	9/15/76			x																			
Martin Struct. Plast.	9/27/76					x																	
Phone-Ducs, Inc.	9/27/76					x																	
Southwire Company	9/29/76			x																			
Rehrig-Pacific Co.	9/29/76					x																	
Ciba Geigy, Germany	9/30/76			x																			
General Motors Res.	6/21/76			x																			
Unitank Company	8/ 9/76			x																			
Chemtech Corp.	1/ 9/76									x													
ICI - U.S.	1/20/76										x												
Goodyear Tire & Rub.	1/26/76											x											
Cabot Corporation	2/ 2/76									x													
Montello	2/12/76									x													
ITT Research Inst.	4/ 1/76										x												
Olin Corporation	4/ 8/76												x										
Amex Res. Rec. Systems	4/20/76										x												
Allied Chem. Corp.	5/24/76									x													
Universal Paint	6/17/76									x													
General Motors Res.	6/21/76									x		x											
Congoleum Ind.	6/30/76										x			x									
Armstrong Cork	8/12/76											x											
American Seal Mfg.	8/13/76									x													
GAF Corp.	8/16/76											x											
Borden Chemical	8/20/76											x											
UCC - Tarrytown	8/20/76												x										
Huron Rubber Co.	9/23/76									x													
Monsanto	9/28/76									x													
B. F. Goodrich	1/ 6/76														x	x							
UCC - Asia Ltd.	1/13/76														x								
H. B. Fuller	1/19/76															x							
Drake Pet.	1/20/76						x																
Midwest	1/26/76						x																
Upson Company	1/27/76														x	x							
S.W. Grease & Oil	2/ 2/76														x								

UCC 004041

"CALIDRIA" SAMPLE REQUESTS

Customer	Date	Resin Grade								Standard Grade								Sylodex					Sales Literature
		144	244	600	600(PP)	600(HDPE)	100	110	644	210	130	200	100	102	HPO	HPP	COF-25	10	14	20	T-135	Fumed Silica	
National Mfg. Co.	2/ 2/76															x							
B. F. Goodrich Co.	2/ 9/76															x							
Joslyn Elec. Prod.	2/10/76														x								
Diamond Shamrock	2/11/76						x																
Crown Div.	2/12/76						x																
Hooker Chem.	3/ 9/76						x																
Reichold Chem.	3/15/76						x																
Rovan Plastics	3/16/76														x								
Joy Mfg. Co.	3/16/76														x								
Royal Elec. Div.	3/18/76															x							
Reeves Bros. Div.	3/19/76															x							
Emulsified Asphalt	3/22/76															x							
UCC - King City	4/20/76															x							
Parker-Hannifin	4/26/76							x															
Allied Chem. Corp.	5/24/76														x								
Hi Life Rubber	6/ 1/76														x								
Wisc. Protect. Ctgs.	6/ 7/76						x																
UCC - New York	6/ 8/76						x																
Steelcote Mfg.	6/10/76															x							
Celanese Coatings	6/14/76						x																
Universal Paint	6/17/76														x								
General Motors Res.	6/21/76														x	x							
UCC - Tarrytown	6/23/76															x							
Hanna Corp.	6/23/76														x								
Tech. Petroleum	6/30/76						x																
UCC - Tarrytown	7/15/76															x							
Tremco Mfg.	7/19/76							x															
Englehard Min. & Chem.	7/20/76														x								
Firestone Tire	7/21/76														x	x							
Borden Chem.	7/23/76							x															
Borden Chem.	7/26/76														x								
Diamond Shamrock	8/ 7/76						x																
Reichhold Chemical	8/ 9/76						x																
Armstrong Cork	8/13/76															x							
American Seal Mfg.	8/13/76														x								

UCC 004042

"CALIDRIA" SAMPLE REQUESTS

Customer	Date	Resin Grade								Standard Grade							Sylodex				Fumed
		144	244	600	600(PP)	600(HDPE)	100	110	644	210	130	200	100	102	HPO	HPP	COF-25	10	14	20	T-135	Silic
Borden Chemical	8/19/76						x									x						
M & T Chemical	8/20/76						x															
Carboline Company	8/26/76						x															
International Paint	8/30/76						x															
Thiokol Corp.	9/10/76															x						
UCC - Atlanta, GA	1/ 2/76																					
H. B. Fuller	1/19/76																				x	
Montello, OK	2/12/76																x					
UCC - Atlanta, GA	2/24/76																					
Anderson Chem.	3/16/76																					
Ru-van Plastics	3/16/76																					
UCC - Atlanta, GA	3/24/76																					
ITT Research Inst.	4/ 1/76																x					
UCC - Atlanta, GA	5/ 3/76																					
UCC - Long Beach, CA	5/ 3/76																					
Grace, Germany	6/ 1/76																	x				
Troy Chem. Corp.	6/ 7/76																				x	
UCC - Long Beach, CA	6/18/76																					
Gen. Motors Research	6/22/76								x													
Grace, Germany	6/25/76																		x			
Master Builders	7/23/76																					x
UCC - Parma, OH	7/29/76																					x
Grace, Germany	7/30/76																			x		
UCC - Atlanta, GA	8/ 3/76																					
U.S. Env. Prot. Agency	8/27/76																x					
Tremco, Cleveland, OH	8/27/76																					x
Disogrin Ind.	8/30/76																					x
UCC - Atlanta, GA	9/23/76																					

UCC 004043