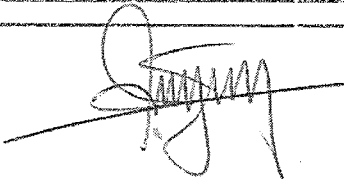


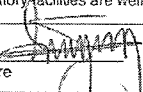
Özel Proses: Isıl İşlem Sistem Değerlendirmesi			
Tesis Adı: ALTAVOX AUSTEMPERING			
Adres: SELİMPAŞA MAH. 6057 SK. NO:5 SİLİVRİ / İSTANBUL			
Telefon Numarası:	0212 431 23 23	Tesisteki Isıl İşlem Prosesleri:	
Faks Numarası:	0212 734 34 77	Proses Tablosu A - Demir	
Tesisteki Isıl İşlem Personeli Sayısı	13	Sementasyon	
Firma İçü Isıl İşemci (E/I):	N	Karbon Nitrürleme	
Ticari Isıl İşemci (E/H):	Y	Karbon Emdirme	
Değerlendirme Tarihi:	3-May-2019	Nötr Sertleştirme (Su Verme ve Temperleme)	
Önceki Değerlendirme Tarihi:	Initial Assessment	Ostemperleme / Martemperleme	
		Temperleme	
		Çökelme Sertleştirme / Yaşlandırma	
		Proses Tablosu B - Demir	
		Nitrasyon (Gaz)	
		Ferritik-Nitrokarbürizasyon (Gaz veya Tuz)	
		Proses Tablosu C - Alüminyum	
		Alüminyum Isıl İşlem	
		Proses Tablosu D - Demir	
		İndüksiyon Isıl İşlem	
		Proses Tablosu E	
		Temperleme	
		Normalizasyon	
		Gerilim Giderme	
		Proses Tablosu F	
		Düşük Basınç Karbürizasyon	
		Proses Tablosu G	
		Sinter Sertleştirme	
		Proses Tablosu H	
		İyon Nitrürleme	
		Proses Tablosu I	
		Soğuk Baskı Pres Sertleştirme	
Mevcut Kalite Sertifikaları:	ISO 9001:2015 / TUV NORD GEÇERLİLİK TARİHİ: 08.04.2019 - 07.04.2022		
Yeniden Değerlendirme Tarihi (gerekli ise):			
Görüşülen Personel:			
İsim:	Unvan:	Telefon:	E-posta:
Muammer Ozkan	Teknik Müdür	0212 431 23 23	ozkan@altavox.com.tr
Gökhan KOÇ	Sorumlusu	0212 431 23 23	gokhan@altavox.com
Emrah CIVAK	Kalite Müdürü	0212 431 23 23	emrah@altavox.com
Denetçiler/Değerlendiriciler:			
İsim:	Firma:	Telefon:	E-posta:
Recep OLUKKENT	AUTOLIV		recep.olukkent@autoliv.com
Arif YOLCU	AUTOLIV		arif.yolcu@autoliv.com
"Yetersiz" Bulgularının Sayısı:	16		
"Acil Aksiyon Gerektiren" Bulguların Sayısı:	0		
"Bazı Durumların" "Basansız" Bulgu Sayısı:	2		



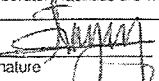
Autoliv
Autoliv Türkiye Otomotiv, Enerji Sistemleri ve
Araç İhtiyaçları Bölümü Genel Ofisi
Liman Mh. Çarşın Yolu Cd. No:2 34140 Çarşın / İSTANBUL
Tel: +90 212 711 11 00 Faks: +90 212 711 11 01
E-posta: info@autoliv.com.tr

Autoliv		AS069 Special Process Assessment Heat Treatment - Summary Report -		Assessment No./Year: 2019
				Assessment Date: 2019-05-03
Company:	ALTAVOX AUSTEMPERING			
Address:	SELİMPAŞA MAH. 6057 SK. NO:5 SİLİVRİ / İSTANBUL			
Special Process:	Ostempirleme			
Products:	SPINDLE RING - PAW GUIDENCE			
Quality Certifications:	ISO 9001:2015 / TUV NORD			
Total number of employees:	13	Employees working in Quality Dpt:	2	
Main customer(s):	AKS OTOMOTİV - VALFSAN - GENÇ RONDELA - BALTECH OTOMOTİV - KORMAS ELEKTRİKLI MOTOR SAN-HİSAR ELEKTRİK OTOMOTİV -İLKE RONDELA SAN. TİC. LTD. ŞTİ.-YÜCE PLASTİK SAN EJOT TEZMAK BAĞLANTI ELEMANLARI			
Main rawmaterial supplier used:				
AIAG CQI-9 Assessment date:	2019-07-17	Sub-supplier Assessment?	<input type="checkbox"/>	Sub-supplier:
Previous Assessment date:	2019-06-14			
Audit reason:	<input type="checkbox"/> Self assessment <input checked="" type="checkbox"/> Initial audit for new supplier <input type="checkbox"/> Initial audit for new process <input type="checkbox"/> Audit due to quality incident <input type="checkbox"/> Audit due to process change (e.g. relocation) <input type="checkbox"/> Other:			
Auditor(s):	Recep OLUKKENT Arif YOLCU			0 262 751 37 69 recep.olukkent@autoliv.com arif.yolcu@autoliv.com
Participants and position:	Muammer Özkan Gökhan KOÇ Emrah CİVAK Tarık Yalçın Yılmaz			ozkan@altavox.com.tr gokhan@altavox.com.tr emrah@altavox.com.tr tarik@ltavox.com.tr
Audit Summary: CQI-9 Assessment and Autoliv Questions				
	<u>CQI-9 assessment</u>	<u>Autoliv Questions</u>	<u>Total</u>	
Audit Date:	17.Jul.19	3.May.19		
Needs Immediate Action:	<input type="checkbox"/>	0	<input type="checkbox"/>	
Not Satisfactory:	0	0	<input type="checkbox"/>	
Job Audit: Failed?	NO	<input type="checkbox"/>	NO	
Total:	0	0	<input type="checkbox"/>	
Corrective actions to be completed (Audit date + 90 days):				
	<i>at the latest:</i>	<i>at the latest:</i>		
Action plan required:	YES <input type="checkbox"/> 15.Oct.19	<input type="checkbox"/> 1.Aug.19	Result:	
Corr. Actions completed:	NO <input type="checkbox"/> or	<input type="checkbox"/> or	<input checked="" type="checkbox"/>	
Comments:	Barkode system which runs according to Autoliv AS244 standart will be completed in 21.08.2019. At that date, audit release will be carried out by Autoliv auditors.			
Improvement Areas:	PFMEA and control plan systematically revised.			
Best Practice Areas:	Laboratory facilities are well-defined and all characterisation regarding hardness, microstructure, can be performed.			
Date, Process Manager signature	29/07/2019		Date, Auditor signature	

Autoliv Customer Document
This Information is Subject to Change
İstanbul - Tuzla - Çarşıbaşı - Çarşıbaşı
Tel: +90 212 751 17 00 Fax: +90 212 751 17 01
www.autoliv.com.tr

Autoliv		AS069 Special Process Assessment Heat Treatment - Summary Report -		Assessment No./Year	2019
				Assessment Date	2019-05-03
Company:	ALTAVOX AUSTEMPERING				
Address:	SELİMPAŞA MAH. 6057 SK. NO:5 SİLİVRİ / İSTANBUL				
Special Process:	Ostempereleme				
Products:	SPINDLE RING - PAW GUIDENCE				
Quality Certifications:	ISO 9001:2015 / TUV NORD				
Total number of employees:	13	Employees working in Quality Dept:		2	
Main customer(s):	AKS OTOMOTIV -VALFSAN -GENÇ RONDELA-BALTECH OTOMOTIV -KORMAS ELEKTRIKLI MOTOR SAN-HİSAR ELEKTRİK OTOMOTIV -İLKE RONDELA SAN. TİC. LTD. ŞTİ.-YÜCE PLASTİK SAN EJOT TEZMAK BAĞLANTI ELEMANLARI				
Main rawmaterial supplier used:					
AJAG CQI-9 Assessment date	2019-06-14	Sub-supplier Assessment?	<input type="checkbox"/>	Sub-supplier:	
Previous Assessment date:	2019-05-03				
Audit reason:	<input type="checkbox"/> Self assessment <input checked="" type="checkbox"/> Initial audit for new supplier <input type="checkbox"/> Initial audit for new process <input type="checkbox"/> Audit due to quality incident <input type="checkbox"/> Audit due to process change (e.g. relocation) <input type="checkbox"/> Other:				
Auditor(s):	Recep OLUKKENT Arif YOLCU			0 262 751 37 69 recep.olukkent@autoliv.com arif.yolcu@autoliv.com	
Participants and position:	Muammer Özkan Gökhan KOÇ Emrah CIVAK Tanrıkk Yalcın Yılmaz			ozkan@altavox.com.tr gokhan@altavox.com.tr emrah@altavox.com.tr tank@altavox.com.tr	
Audit Summary: CQI-9 Assessment and Autoliv Questions					
	<u>CQI-9 assessment</u>	<u>Autoliv Questions</u>	<u>Total</u>		
Audit Date:	14.Jun.19	3.May.19			
Needs Immediate Action:	<input type="checkbox"/>	0	<input type="checkbox"/> 0		
Not Satisfactory:	5	0	<input type="checkbox"/> 5		
Job Audit: Failed?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/>	<input checked="" type="checkbox"/> YES		
Total:	5	0	<input type="checkbox"/> 5		
Corrective actions to be completed (Audit date + 90 days):					
	<i>at the latest:</i>	<i>at the latest:</i>			
Action plan required:	<input checked="" type="checkbox"/> YES 12.Sep.19	<input type="checkbox"/>	1.Aug.19	Result:	
Corr. Actions completed:	<input checked="" type="checkbox"/> NO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Comments:					
Improvement Areas:	Material incoming system is not suitable with Autoliv AS244. Therefore, barcode system must be implemented in advance. Incoming records is manually carried out. Parts must be systematically weighted before incoming and after furnace process in order to checked the correct accepted kilogramme.				
Best Practice Areas:	Laboratory facilities are well-defined and all characterisation regarding hardness, microstructure, can be performed.				
Date, Process Manager signature	29/07/2019 		Date, Auditor signature		

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Autoliv		AS069 Special Process Assessment Heat Treatment - Summary Report -		Assessment No./Year: 2019
				Assessment Date: 2019-05-03
Company:	ALTAVOX AUSTEMPERING			
Address:	SELİMPAŞA MAH. 6057 SK. NO:5 SİLİVRİ / İSTANBUL			
Special Process:	Ostempereleme			
Products:	SPINDLE RING - PAW GUIDENCE			
Quality Certifications:	ISO 9001:2015 / TUV NORD			
Total number of employees:	13	Employees working in Quality Dpt:	2	
Main customer(s):	AKS OTOMOTİV - VALFSAN - GENÇ RONDELA-BALTECH OTOMOTİV - KORMAS ELEKTRİKLI MOTOR SAN-HISAR ELEKTRİK OTOMOTİV -İLKE RONDELA SAN. TİC. LTD. ŞTİ.-YÜCE PLASTİK SAN EJOT TEZMAK BAĞLANTI ELEMANLARI			
Main rawmaterial supplier used:				
AIAG CQI-9 Assessment date:	2019-05-03	Sub-supplier Assessment?	<input type="checkbox"/>	Sub-supplier:
Previous Assessment date:				
Audit reason:	<input type="checkbox"/> Self assessment <input checked="" type="checkbox"/> Initial audit for new supplier <input type="checkbox"/> Initial audit for new process <input type="checkbox"/> Audit due to quality incident <input type="checkbox"/> Audit due to process change (e.g. relocation) <input type="checkbox"/> Other:			
Auditor(s):	Recep OLUKKENT Arif YOLCU		0 262 751 37 69 recep.olukkent@autoliv.com arif.yolcu@autoliv.com	
Participants and position:	Muammer Özkan Gökhan KOÇ Emrah CİVAK Tarikk Yalcın Yılmaz		ozkan@altavox.com.tr gokhan@altavox.com.tr emrah@altavox.com.tr tarik@altavox.com.tr	
Audit Summary: CQI-9 Assessment and Autoliv Questions				
	CQI-9 assessment	Autoliv Questions	Total	
Audit Date:	3.May.19	3.May.19		
Needs Immediate Action:	<input type="checkbox"/>	0	0	
Not Satisfactory:	16	0	16	
Job Audit: Failed?	YES	<input type="checkbox"/>	YES	
Total:	16	0	16	
Corrective actions to be completed (Audit date + 90 days):				
	<i>at the latest:</i>	<i>at the latest:</i>		
Action plan required:	YES <input type="checkbox"/> 1.Aug.19	<input type="checkbox"/> 1.Aug.19	Result:	
Corr. Actions completed:	NO <input type="checkbox"/> at	<input type="checkbox"/> at	<input type="checkbox"/>	
Comments:				
Improvement Areas:	Work instructions must be in the line, Furnace daily 24 hrs checked list must be prepared and daily checked, FMEA and control plan must be correlated with firstly flow chart and each other. Process steps are not compansate with each other, Control plan must be in the line to be able to use for operators, Trap points must be shown in the control plans, Packaging instruction must be prepared, Heat treated and non-heat treated material flow must be defined. Under normal conditions, there is no deviation between parts, There is no systematic customer claim follow up system,			
Best Practice Areas:	Laboratory facilities are well-defined and all characterisation regarding hardness, microstructure, can be performed.			
Date, Process Manager signature:			Date, Auditor signature	

Autoliv
 Autoliv Çarşaf Çimneme ve Kalite Kontrol Sistemleri A.Ş.
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 İstasyon Mah. Oğuzhan Çarşaf Çimneme ve Kalite Kontrol Sistemleri A.Ş.
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