

The leader in 21 Century

HERIANA



|주|해리어나
www.heriana.com

>> 인사말씀

The leader in 21 Century. HERIANA Co., Ltd.



CEO's Greeting >>

우리회사는 창립 이래 선박 기자재의 국산화를 위해 끊임없이 노력해왔으며 그 결과 국내의 조선소 및 엔진 제작업체 뿐만 아니라 해외에도 수출을 하는 명실상부한 이 분야의 선두 기업이 되었습니다.

수입에만 의존하던 제품들을 국산화함으로써 원가 절감 품질향상, 납기 준수, 그리고 신속하고 원활한 사후처리를 통해 이 분야에서 일대 혁신과 변화를 일으켰으며 이를 계기로 조선업계에도 국산화의 바람이 더욱 거세졌다는 것에 높은 자긍심을 느끼면서 오늘도 조선 기자재의 국산화와 신제품 개발에 전념하고 있는 건강하고 젊은 기업입니다.

또한 그 동안 많은 시행착오와 실패의 경험을 바탕으로 글로벌 기업으로 한걸음 더 나아가기 위해 기업부설연구소를 설립하여 끊임없이 연구 개발과 제품 개선에 많은 시간과 투자를 하고 있으며 제품의 판매에만 그치지 않고 전담팀을 구성하여 선주에게 인도되기 전까지 품질 보증에 최선을 다하고 있습니다. 이렇게 초심을 잃지 않고 늘 새로운 분야에 도전하고 변화와 혁신을 주도하는 젊고 능력있는 조선기자재 선두 업체로서 보다 발전된 기술과 조선강국 대한민국의 저력을 전 세계에 알리고자 하오니 여러분의 많은 관심 부탁드립니다.

감사합니다.

대표이사 성 수 경

>> 회사연혁

Company History >>

- 2000. 06 (주)헤리아나 설립
- 2003. 03 'ISO 9001:2000' 인증 획득
- 2006. 06 'CLEAN 사업장' 지정 (노동부)
- 2007. 10 '유망중소기업' 선정(기업은행)
- 2009. 01 '병역지정업체' 지정 (병무청)
- 04 'INNO-BIZ' 인증 획득 (중소기업청)
- 05 '한국선박전자산업진흥협회' 가입
- 12 '싱글 PPM 품질인증서' 획득 (중소기업청)
- 2010. 04 'HERIANA R&D CENTER' 설립
- 2011. 03 화전 산업공단 입주
- 2013. 05 '기상사업 등록증' 획득 (기상청)
- 07 '부품 . 소재 전문 기업' 지정 (지식경제부)
- 2015. 05 '벤처기업' 선정 (기술보증기금)

거래업체 >>

▲ 현대중공업 ▲ 현대미포조선 ▲ 현대삼호중공업



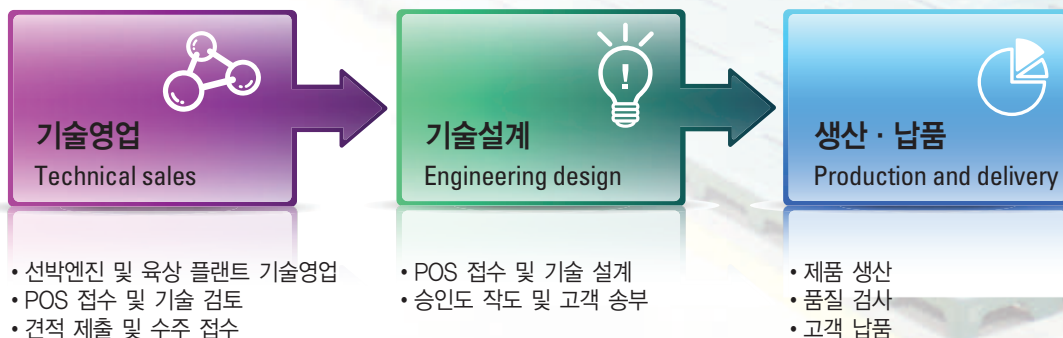
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조직 구성도 >>

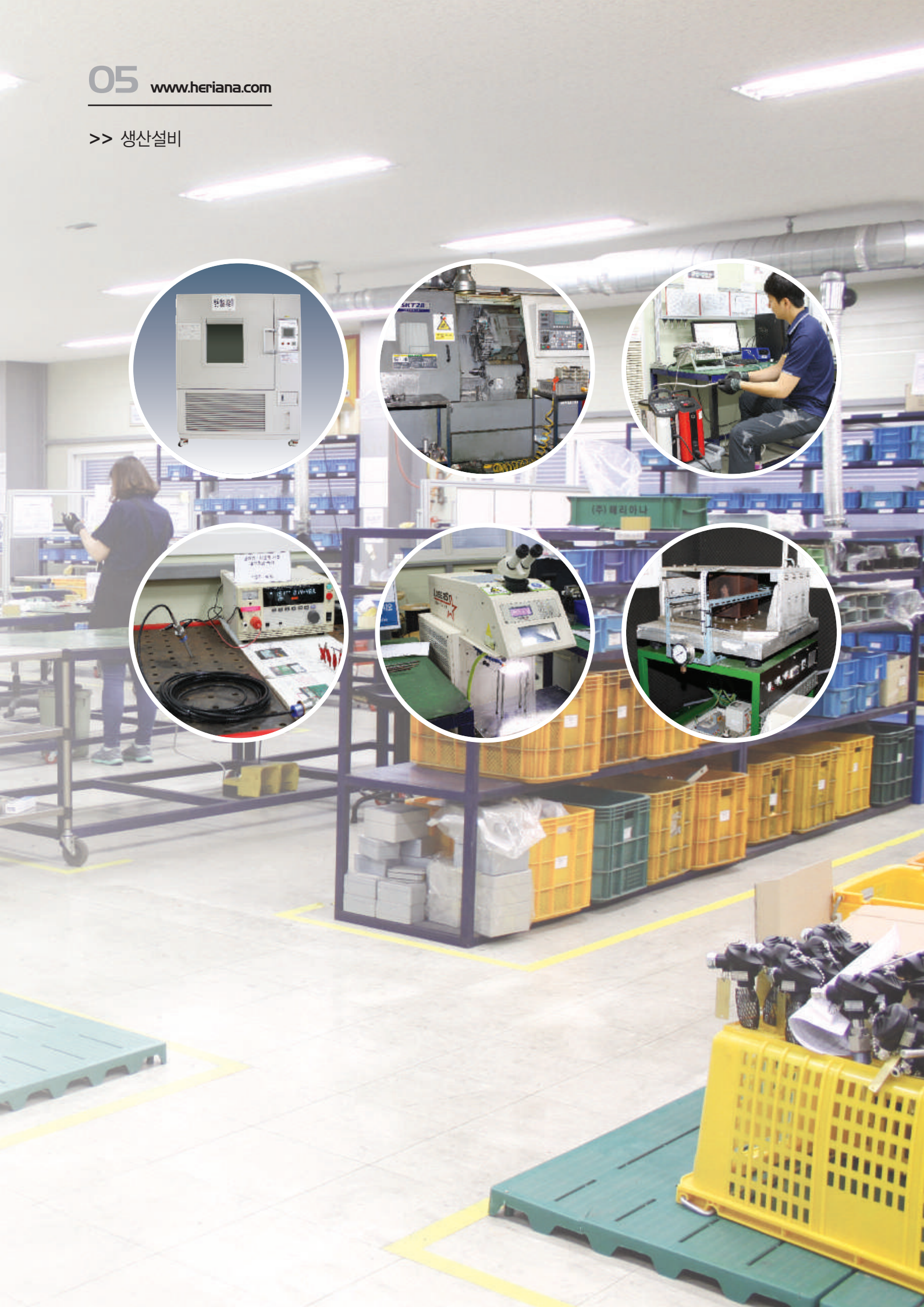


- >> 품질관리팀 : herianacs@heriana.com
- >> 영업팀 : heriana@hanmail.net (국내)
sales@heriana.com (해외-Overseas team)

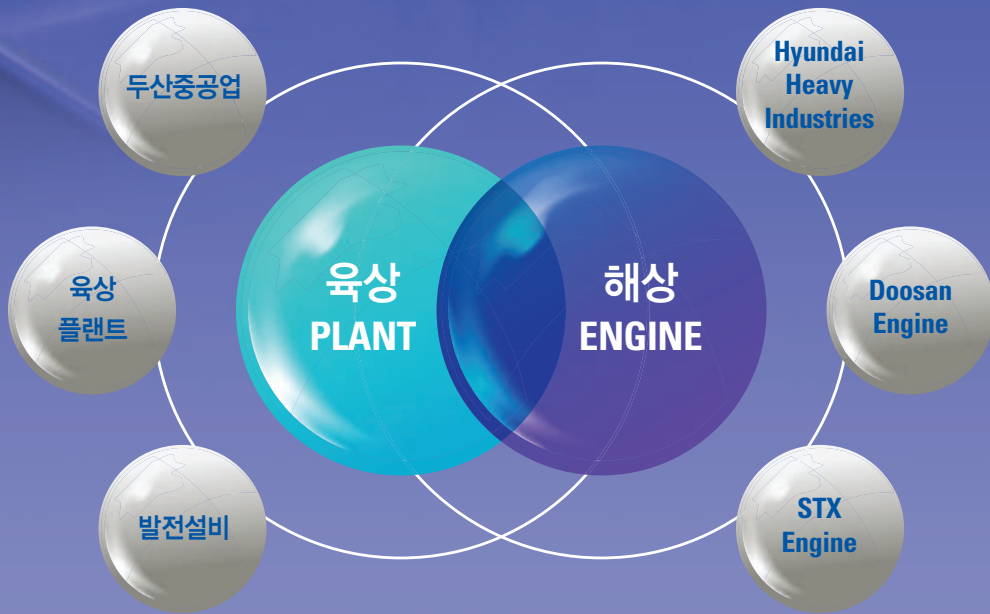
업무 절차도 >>



>> 생산설비

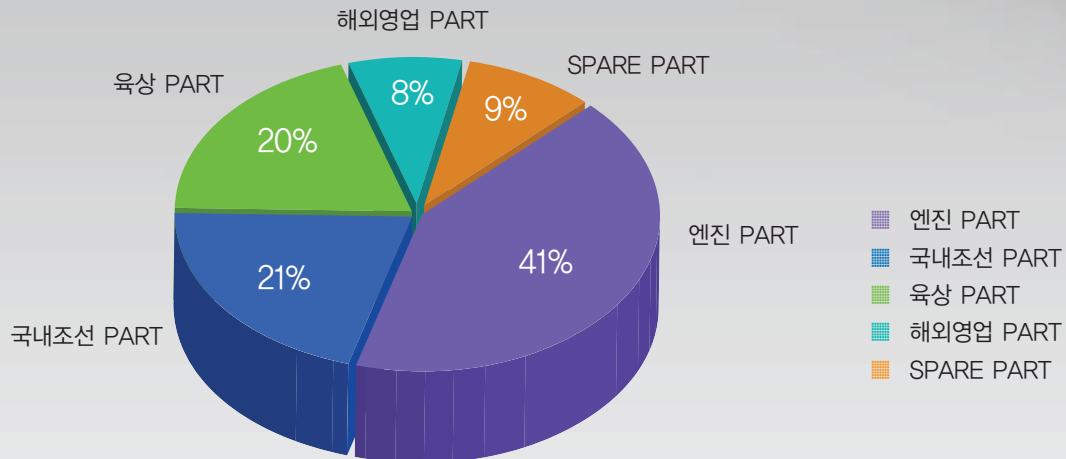


>> 사업분야



>> 주요생산품목

- 산업용 온도 센서
- 산업용 온도계
- 산업용 Level Switch
- 산업용 신호변환기
- 선박용 항해계기
- 기타 전계장품



- 선박 엔진 3사(현대엔진, 두산엔진, STX엔진) 온도센서 및 온도 트랜스미터 외 납품 수행
- 대형조선소 프로젝트별 풍향풍속계, 타각지시기 납품 수행
- 두산중공업 터빈 발전기 온도센서 외 납품 수행
- 석유화학단지 프로젝트 다수 납품 수행



>> 주요생산제품

TEMPERATURE SENSOR (RTD. THERMOCOUPLE) >>



TEMPERATURE TRANSMITTER (방폭 · 비방폭) >>



FLOW & LEVEL SWITCH >>



HF-501

Flow Switch

HF-501 can detect Piston Cooling Oil's flow condition and level status. Capacitance will fluctuate with level condition.



HF-502

Combined Flow Switch & Temperature Sensor

HF-502 is integrated with Oil flow sensor and oil temperature sensor, can detect oil flow condition and level, also can transmit fluid state and level control signals to outside and display oil flow conditions as LED lights on the Junction Box.



HF-503

Flow Switch

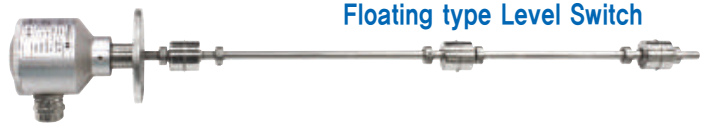
HF-503 can detect Piston Cooling Oil's flow condition and level status. Vibration will fluctuate with level condition.



HF-504

Level Switch

HF-504 can detect Lubrication Oil's flow condition and level status, capacitance will fluctuate with level condition.



HF-505

Floating type Level Switch

WATER IN OIL DETECTOR (오일 내 수분 감지기) >>



▲ SENSOR



◀ INDICATOR

Water In Oil Detector

This Water In Oil (HW-2100) is the equipment to measure the Relative Content of Water in Fuel Oils and Lubricant Oils used in Maritime Engines. HW-2100 is installed at the outlet pipe of a purifier (Separator) and measure relative content of water in purified oil. The measured relative content of water is displayed on the indicator in real time. HW-2100 is composed of a sensor module, an indicator and a cable assembly. The measured result by the sensor module is transferred to the indicator by RS485.

Specification

- Measuring Range : 0 ~ 1.60% (Relative Content of Water)
- Measuring Error : 2.5% Full Scale
- Display Resolution : 0.01%
- Response time : 5 sec.
- Output Signal : 4~20mA / Alarm (Dry-contact, COM-NO, 32V/1A) / RS485, RS422, CAN Communication (Option)
- Sensor Module Operating Temperature Range : 0°C ~ 110°C
- Power Supply : DC 24V
- Alarm Limit : Default 0.3%, User-settable
- Operating Temperature : 0°C ~ 110°C
- Ingress Protection : IP 65

>> 주요생산제품

INDUCTIVE CONDUCTIVITY SENSOR (전자 유도성 전도도 센서) >>



▲ SENSOR



◀ INDICATOR

Inductive Conductivity Sensor

This Inductive Conductivity Sensor(ICS-1000) is the equipment specially designed to measure the conductivity in the solution. ICS-1000 sensor measures conductivity of seawater flowed through the certain pipe. The result of measurement(Conductivity and Temperature) is indicated on the indicator(ICS-1000M). The indicator outputs conductivity and temperature as the Current Loop of 4mA-20mA. Data Communication is using RS485(NMEA0183) between ICS-1000 sensor and ICS-1000M indicator.

Specification

- Measurement Range : 0 mS/cm ~ 100 mS/cm
- Measurement Error : ≤ 5% Max of measured value including Temperature Compensation
- Current Output Error : ≤ 2% of full measured range
- Repeatability : ≤ 1% of measurable full scale
- Arrival Time for Target Temp : ≤ 10 minutes
- Output Signal : Current loop 4mA ~ 20mA (Default) / RS485 Communication (Option)
- Power Supply : DC 24V (18V ~ 30V)
- Power Consumption : 5W Max
- Operating Temperature : -10°C ~ 70°C
- Operating Pressure range : 10 bar Max.
- Ingress Protection : IP65
- Electromagnetic Compatibility : Satisfied EN61326 rule

THERMOMETER & PRESSURE GAUGE >>



ANEMOMETER & WEATHER SYSTEM (풍향 · 풍속계 · 온습도 기압계) >>

Transmitter

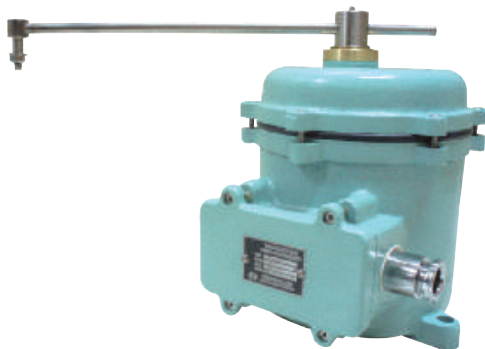


Indicator



RUDDER ANGLE INDICATOR SYSTEM (타각 지시기) >>

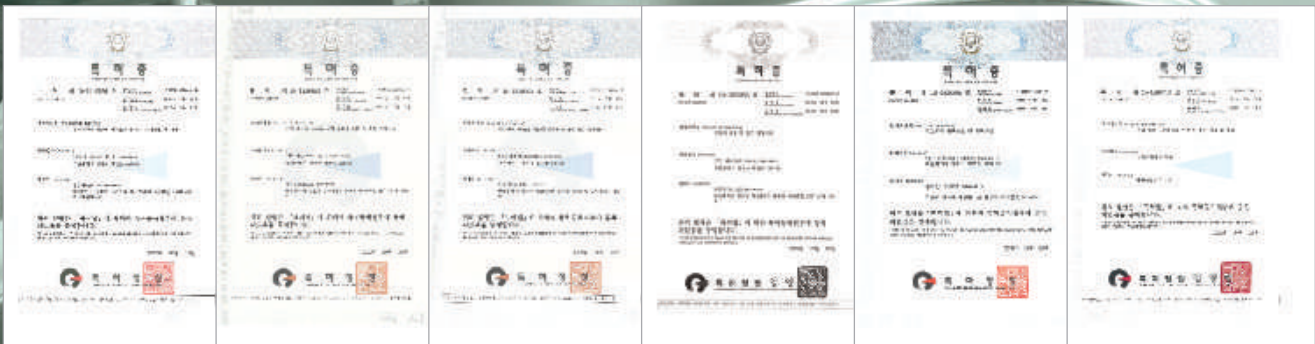
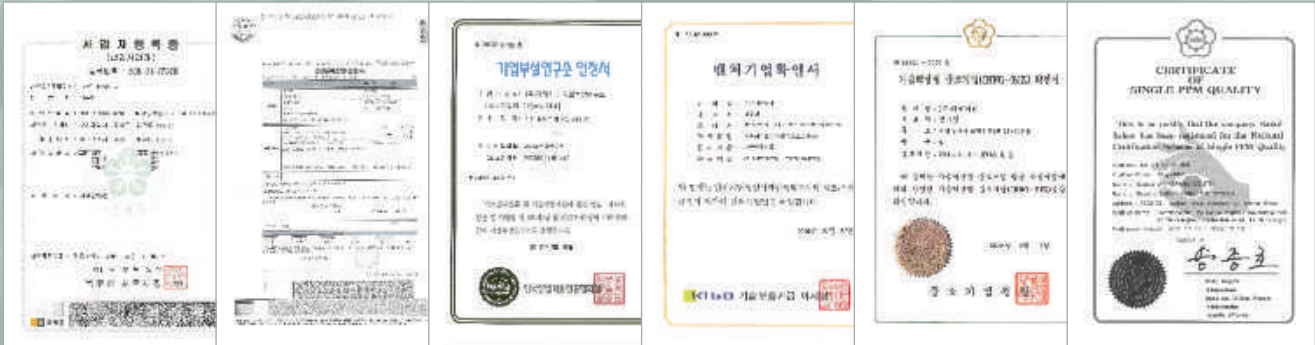
Transmitter



Indicator



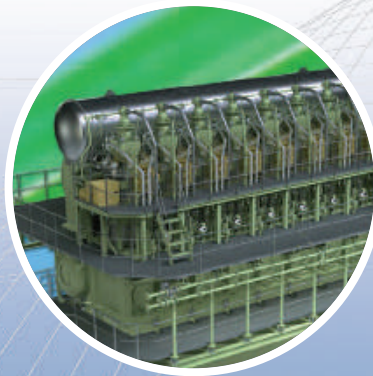
>> 인증서



TEMPERATURE SENSOR REFERENCE LIST

육상 PLANT

Description	Type	Hull No.	Delivery	Customer
RESISTANCE BULB(PT100) &THERMOCOUPLE	T type	Mong Duong 1	13.06.07	두산중공업
RESISTANCE BULB(PT100) &THERMOCOUPLE	T type	울진1,2호기	13.06.20	두산중공업
RESISTANCE BULB(PT100) &THERMOCOUPLE	E type	Maragiq	13.08.16	두산중공업
RESISTANCE BULB(PT100) &THERMOCOUPLE	E type	Maragiq 5,6	13.08.20	두산중공업
RESISTANCE BULB(PT100) &THERMOCOUPLE	T type	UAE BNPP #1,2	13.08.16	두산중공업
RESISTANCE BULB(PT100) &THERMOCOUPLE	T type	MD 1	13.09.30	두산중공업
RESISTANCE BULB(PT100) &THERMOCOUPLE	WELL	신한울 #1,2	13.12.16	두산중공업



TEMPERATURE SENSOR REFERENCE LIST

DOOSAN ENGINE

Description	Type	PJT	Delivery	Customer
RESISTANCE BULB(PT100) &THERMOCOUPLE	6S50MC-C	CONT0038	10.01.02	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	6S60MC-C	GEDE1740	10.01.02	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	6S50MC-C	ERDE0192	10.01.04	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	5S50MC-C	DAMA4026	10.01.06	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	8K90MC-C	PIL 4249	10.01.06	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	8K90MC-C	ITOC1703	10.01.07	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	5S60MC-C	SNTG0489	10.01.07	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	8K90MC-C	TH 4172	10.01.08	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	6S60MC	REST0421	10.01.09	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	10RTF96C	PTDL0899	10.01.11	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	8K90MC-C	HASU4190	10.01.12	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	7RTF96C	PTDL0936	10.01.12	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	6S50MC-C	REST0409	10.01.16	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	12K98ME-C	CMAC1792	10.01.17	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	10K98ME-C	DANA0215	10.01.20	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	5S50MC-C	PREM4007	10.01.23	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	6S50MC-C	REST0408	10.01.23	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	12K98MC-C	MSC 4139	10.01.25	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	6S50MC-C	SEMI0219	10.01.26	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	6S60MC-C	GEDE1757	10.01.27	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	6S60MC-C	GEDE1758	10.01.27	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	6S50MC-C	ORGE0176	10.01.27	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	6S50MC-C	SETA3019	10.01.27	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	12K98ME-C	CMAC1791	10.01.29	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	12K98ME-C	CMAC1790	10.02.05	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	6S50MC-C	ENES1032	10.02.10	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	7S80MC	CMER3028	10.02.11	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	14RTF96C	CMA4160	10.02.13	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	5S50MC-C	PREM4008	10.02.13	두산엔진
RESISTANCE BULB(PT100) &THERMOCOUPLE	6S50MC-C	ANEM3020	10.02.17	두산엔진

CYLINDER LINER TEMPERATURE SENSOR REFERENCE LIST DOOSAN ENGINE

Description	Type	Hull No.	Delivery	Customer
CYLINDER LINER TEMPERATURE SENSOR	12RTA96C-B	OFFE0139	06.01.01	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	12K98MC-C	OFFE1546	06.01.13	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	8K90MC-C	OOCL1538	06.02.10	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	12RTA96C-B	MSC 0140	06.03.24	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	12K98MC-C	OFFE1547	06.04.14	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	12K98MC-C	OFFE1548	06.05.20	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	12RTA96C-B	OFFE0131	06.05.24	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	12K98ME-C	OOCL1569	06.05.30	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	12RTA96C-B	MSC 0141	06.06.11	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	12K98MC-C	OFFE1549	06.08.17	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	12K98MC-C	MSC 1611	06.10.04	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	12K98ME-C	OOCL1570	06.10.22	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	6S70MC-C	MODE1580	06.11.07	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	12K98MC-C	MSC 1612	06.12.25	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	8K90MC-C	OOCL1596	07.01.24	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	8K90MC-C	OOCL1597	07.02.07	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	8K90MC-C	OOCL1596	07.02.27	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	12K98MC-C	MSC 1613	07.04.03	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	8RTA96C-B	HASU4066	07.04.07	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	8K90MC-C	OOCL1637	07.04.29	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	8RTA96C-B	HASU4067	07.05.16	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	12K98MC-C	MSC 1614	07.05.19	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	8K90MC-C	OOCL1598	07.05.29	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	8RTA96C-B	HASU4068	07.06.26	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	12K98MC-C	MSC 1651	07.07.28	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	8K90MC-C	OOCL1599	07.07.29	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	8K90MC-C	CMAPO001	07.08.04	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	6S70MC-C	EURO1684	07.08.19	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	9K98MC	MSC 1652	07.09.01	두산엔진
CYLINDER LINE TEMPERATURE SENSOR	8K90MC-C	OOCL1638	07.09.19	두산엔진

MAIN BEARING TEMPERATURE SENSOR REFERENCE LIST DOOSAN ENGINE

Description	Type	Hull No.	Delivery	Customer
MAIN BEARING TEMPERATURE SENSOR	7S70MC-C	SOVC5273	06.01.11	두산엔진
MAIN BEARING TEMPERATURE SENSOR	6S70MC-C	ANAN1163	06.02.12	두산엔진
MAIN BEARING TEMPERATURE SENSOR	6S70MC-C	ANAN1164	06.05.20	두산엔진
MAIN BEARING TEMPERATURE SENSOR	6S50MC-C	KLIN2313	06.07.03	두산엔진
MAIN BEARING TEMPERATURE SENSOR	6S50MC-C	KLIN2314	06.10.30	두산엔진
MAIN BEARING TEMPERATURE SENSOR	6S70MC-C	TKAY1643P1	06.11.04	두산엔진
MAIN BEARING TEMPERATURE SENSOR	7S70MC-C	SOVC5274	06.11.21	두산엔진
MAIN BEARING TEMPERATURE SENSOR	6S70MC-C	TKAY1643P2	06.11.27	두산엔진
MAIN BEARING TEMPERATURE SENSOR	6S70MC-C	ANAN1157	06.12.04	두산엔진
MAIN BEARING TEMPERATURE SENSOR	7S70MC-C	SOVC5275	07.01.07	두산엔진
MAIN BEARING TEMPERATURE SENSOR	6S70MC-C	TKAY1644P1	07.01.11	두산엔진
MAIN BEARING TEMPERATURE SENSOR	6S70MC-C	TKAY1644P2	07.02.11	두산엔진
MAIN BEARING TEMPERATURE SENSOR	6S70MC-C	TKAY1645P1	07.02.28	두산엔진
MAIN BEARING TEMPERATURE SENSOR	6S70MC-C	TKAY1645P2	07.03.10	두산엔진
MAIN BEARING TEMPERATURE SENSOR	6S70MC-C	TKAY1646P1	07.03.17	두산엔진
MAIN BEARING TEMPERATURE SENSOR	6S70MC-C	TKAY1646P2	07.04.02	두산엔진
MAIN BEARING TEMPERATURE SENSOR	6S70MC-C	GULF2321	07.05.09	두산엔진
MAIN BEARING TEMPERATURE SENSOR	6S60MC-C	GULF2322	07.06.09	두산엔진
MAIN BEARING TEMPERATURE SENSOR	6S70MC-C	GOGL1008	07.06.11	두산엔진
MAIN BEARING TEMPERATURE SENSOR	7S70ME-C	QGPG2255P1	07.06.11	두산엔진
MAIN BEARING TEMPERATURE SENSOR	7S70ME-C	QGPG2255P2	07.06.26	두산엔진
MAIN BEARING TEMPERATURE SENSOR	5S60MC-C	GOGL1009	07.07.15	두산엔진
MAIN BEARING TEMPERATURE SENSOR	6S60MC-C	MARN2317	07.07.15	두산엔진
MAIN BEARING TEMPERATURE SENSOR	7S70ME-C	QGPG2256P2	07.08.17	두산엔진
MAIN BEARING TEMPERATURE SENSOR	6S50MC	USSH6501	07.08.18	두산엔진
MAIN BEARING TEMPERATURE SENSOR	5S60MC-C	GOGL1010	07.08.19	두산엔진
MAIN BEARING TEMPERATURE SENSOR	6S60MC-C	GULF2323	07.09.01	두산엔진
MAIN BEARING TEMPERATURE SENSOR	7S60MC-C	WALL4449	07.09.19	두산엔진
MAIN BEARING TEMPERATURE SENSOR	7S70ME-C	QGPG2256P1	07.09.22	두산엔진
MAIN BEARING TEMPERATURE SENSOR	6S50MC-C	AVIN1016	07.09.29	두산엔진

TEMPERATURE SENSOR REFERENCE LIST

HYUNDAI ENGINE

Description	Type	Hull No.	Delivery	Yard
TEMPERATURE SENSOR	9H25/33	SH233	2006.01.20	현대엔진
TEMPERATURE SENSOR	7L27/38	1690	2006.01.09	현대엔진
TEMPERATURE SENSOR	7L32/40	1673	2006.01.17	현대엔진
TEMPERATURE SENSOR	8H25/33	SH269	2006.02.28	현대엔진
TEMPERATURE SENSOR	9H25/33	SH269	2006.02.28	현대엔진
TEMPERATURE SENSOR	7L32/40	1674	2006.03.02	현대엔진
TEMPERATURE SENSOR	9H25/33	9H25/33#10	2006.03.02	현대엔진
TEMPERATURE SENSOR	6L28/32H	1718	2006.03.14	현대엔진
TEMPERATURE SENSOR	8L27/38	1710	2006.03.14	현대엔진
TEMPERATURE SENSOR	8L28/32H	HMD0362	2006.03.27	현대엔진
TEMPERATURE SENSOR	6L23/30	HMD0322	2006.04.03	현대엔진
TEMPERATURE SENSOR	7L27/38	SH265	2006.04.05	현대엔진
TEMPERATURE SENSOR	9H21/32	ENERGOIMPO	2006.04.11	현대엔진
TEMPERATURE SENSOR	8H25/33	YS-187	2006.04.13	현대엔진
TEMPERATURE SENSOR	6H21/32	HMD0441	2006.04.19	현대엔진
TEMPERATURE SENSOR	8H25/33	SH270	2006.04.20	현대엔진
TEMPERATURE SENSOR	8H32/40	S_EMD_01	2006.04.30	현대엔진
TEMPERATURE SENSOR	8L28/32H	HMD0391	2006.05.03	현대엔진
TEMPERATURE SENSOR	9H21/32	ENERGOIMPO	2006.05.30	현대엔진
TEMPERATURE SENSOR	7L27/38	SH258	2006.06.01	현대엔진
TEMPERATURE SENSOR	9H21/32	ENERGOIMPO	2006.06.15	현대엔진
TEMPERATURE SENSOR	8H25/33	KRS-0501	2006.06.15	현대엔진
TEMPERATURE SENSOR	8L28/32H	HMD0388	2006.06.20	현대엔진
TEMPERATURE SENSOR	7H21/32	SH300	2006.06.20	현대엔진
TEMPERATURE SENSOR	7L27/38	1687	2006.06.22	현대엔진
TEMPERATURE SENSOR	6L28/32H	1830	2006.06.22	현대엔진
TEMPERATURE SENSOR	9H21/32	ENERGOIMPO	2006.06.22	현대엔진
TEMPERATURE SENSOR	8H21/32	1870	2006.07.07	현대엔진
TEMPERATURE SENSOR	9H25/33	SANG#1	2006.07.10	현대엔진
TEMPERATURE SENSOR	6L28/32H	1766	2006.07.12	현대엔진

CYLINDER LINER TEMPERATURE SENSOR REFERENCE LIST **HYUNDAI ENGINE**

Description	Type	Hull No.	Delivery	Yard
CYLINDER LINE TEMPERATURE SENSOR	8H21/32	2249	2010.08.12	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	6H21/32	HMD2292	2010.08.12	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	6H21/32	HMD2294	2010.08.12	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	8H21/32	ABG 378	2010.08.12	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	9H21/32	HMD8050	2010.08.18	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	5H21/32	2285	2010.08.18	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	5H21/32	HMD2187	2010.08.18	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	5H21/32	HMD2201	2010.08.18	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	5H17/28	HMDS029	2010.08.18	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	7H17/28	DW1198	2010.08.18	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	6H21/32	DW1201	2010.08.18	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	6H21/32	HMD2294	2010.08.18	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	7H17/28	N240	2010.08.18	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	6H21/32	2141	2010.08.20	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	7H17/28	N241	2010.08.20	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	9H25/33P	MARMARA NB88	2010.08.25	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	18V32/40	2229	2010.08.25	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	9H21/32	SANTA ELENA	2010.08.25	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	7H21/32	SN1663	2010.08.26	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	6H32/40	2088	2010.08.26	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	8L27/38	SN1828	2010.08.26	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	6H21/32	2354	2010.08.26	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	8H32/40	SH435-1	2010.08.26	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	6H32/40	SH435-2	2010.08.26	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	5H21/32	2226	2010.08.26	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	6H17/28	HMDS008	2010.08.27	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	7H25/33	S1144	2010.08.31	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	7H32/40	2181	2010.08.31	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	8H25/33	SH505	2010.08.31	현대엔진
CYLINDER LINE TEMPERATURE SENSOR	5H21/32	HMD2149	2010.09.16	현대엔진

MAIN BEARING TEMPERATURE SENSOR REFERENCE LIST HYUNDAI ENGINE

Description	Type	Hull No.	Delivery	Yard
MAIN BEARING TEMPERATURE SENSOR	5H21/32	2301	2010.09.16	현대엔진
MAIN BEARING TEMPERATURE SENSOR	7H17/28	SD1122	2010.09.16	현대엔진
MAIN BEARING TEMPERATURE SENSOR	5H21/32	SD3056	2010.09.16	현대엔진
MAIN BEARING TEMPERATURE SENSOR	8H25/33	2338	2010.09.20	현대엔진
MAIN BEARING TEMPERATURE SENSOR	6H17/28	DW1188	2010.09.20	현대엔진
MAIN BEARING TEMPERATURE SENSOR	6H25/33	2338	2010.09.20	현대엔진
MAIN BEARING TEMPERATURE SENSOR	7H17/28	DW1705	2010.09.20	현대엔진
MAIN BEARING TEMPERATURE SENSOR	6H17/28	SH-1234	2010.09.20	현대엔진
MAIN BEARING TEMPERATURE SENSOR	6H17/28	SH-1235	2010.09.20	현대엔진
MAIN BEARING TEMPERATURE SENSOR	8H25/33	DW5328	2010.09.28	현대엔진
MAIN BEARING TEMPERATURE SENSOR	7H17/28	SD1109	2010.09.28	현대엔진
MAIN BEARING TEMPERATURE SENSOR	9H21/32	QUEVEDO	2010.09.28	현대엔진
MAIN BEARING TEMPERATURE SENSOR	18H32/40V	BERA	2010.09.28	현대엔진
MAIN BEARING TEMPERATURE SENSOR	6H21/32	2274	2010.09.30	현대엔진
MAIN BEARING TEMPERATURE SENSOR	7H21/32	DW5343	2010.09.30	현대엔진
MAIN BEARING TEMPERATURE SENSOR	5H21/32	2300	2010.09.30	현대엔진
MAIN BEARING TEMPERATURE SENSOR	7H17/28	HMD6011	2010.10.01	현대엔진
MAIN BEARING TEMPERATURE SENSOR	7L23/30	HSH441	2010.10.08	현대엔진
MAIN BEARING TEMPERATURE SENSOR	6H21/32	2196	2010.10.08	현대엔진
MAIN BEARING TEMPERATURE SENSOR	8H25/33	2339	2010.10.11	현대엔진
MAIN BEARING TEMPERATURE SENSOR	8H32/40	SH436-1	2010.10.11	현대엔진
MAIN BEARING TEMPERATURE SENSOR	6H32/40	SH436-2	2010.10.11	현대엔진
MAIN BEARING TEMPERATURE SENSOR	9H21/32	HMD8051	2010.10.11	현대엔진
MAIN BEARING TEMPERATURE SENSOR	5H21/32	2227	2010.10.11	현대엔진
MAIN BEARING TEMPERATURE SENSOR	6H25/33	2339	2010.10.11	현대엔진
MAIN BEARING TEMPERATURE SENSOR	8H21/32	2248	2010.10.15	현대엔진
MAIN BEARING TEMPERATURE SENSOR	7H17/28	CSBC982	2010.10.15	현대엔진
MAIN BEARING TEMPERATURE SENSOR	5H21/32	2194	2010.10.20	현대엔진
MAIN BEARING TEMPERATURE SENSOR	6H25/33	HMD8040	2010.10.20	현대엔진
MAIN BEARING TEMPERATURE SENSOR	6H17/28	SH-1236	2010.10.20	현대엔진

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