REV.	DESCRIPTION	DATE	DRAWN	CHECK	APPROV.
E	SEE SHEET 1.	26-MAY-09	GS	LAM	SA
D	SEE SHEET 1.	14-MAY-08	AF	ML	BC
C	SEE SHEET 1.	18-SEP-05	AF	PB	BC
B	SEE SHEET 1.	17-AUG-04	JH	ML	BC
A	SEE SHEET 1.	15-JUL-04	JH	BC	ML
0	SEE SHEET 1.	02-APR-04	DRS	BC	BC

THIS DOCUMENT, WITH THE EXCEPTION OF INTELLECTUAL PROPERTY RIGHTS INCLUDED HEREIN THAT VEST IN ROLLS-ROYCE, IS PROPERTY OF PETROBRAS, BEING FORBIDDEN FOR USE OFF ITS PURPOSE. STANDARDIZED FORM BY N-381 (PETROBRAS) - REV.F - ANNEX A.

Rolls-Royce ABB

Rolls-Royce N.: R162-48-UK437 Rev 8

Contract N.: 899.2.005.03-7

Technical Rep.: XXX

File N.: I-DE-3010.64-5140-944-RRY-011.E P007.DGN

Registry N.: XXXXXX

PETROBRAS NETHERLANDS B.V.

ENGENHARIA / IERO

CLIENT OR USER:
UN - RIO / ATP - RO

JOB OR PROJECT:
RONCADOR FIELD DEVELOPMENT

AREA OR UNIT:
PETROBRAS 52 (P-52)

DRAWING TITLE:
MAIN LUBE OIL
DIAGRAM (MINERAL)

DESIGN BY: RRY	DRAWN BY: DRS	CHECKED BY: BC	APPROVED BY: BC
SCALE: NTS	DRAWING TYPE: AD	CC: XXX	SHEET: 7 of 7
DATE: 02-APR-04	PB N.: I-DE-3010.64-5140-944-RRY-011		

RRPE PART No.	REQD.	DESCRIPTION
PART OF UK481-004-007 (SUPPLIED BY GEARBOX VENDOR)	1	MAIN MINERAL OIL PUMP GEARBOX SHAFT DRIVEN TYPE: GEAR MATERIAL: CASING: CAST IRON FLOW: 983 l/min FLUID: MINERAL LUBE OIL CONNS: DISCHARGE: 5" 150#RF SUCTION: 5" 150#RF MODEL: STEMEL TFL10/160KR MANFR: FLENDER GRAFFENSTADEN