

□ TECHNICAL BULLETIN

□ 18/12/15 - UPDATED 23/12/19

□ TB EM 15/05

□ HIGH ENGINE OIL CONSUMPTION PRE
PISTON RING C/M

MODEL	SECTION
J11, C13 & F15 - HRA2DDT ENGINES ONLY	EM

CONCERN

Customers may complain that the engine oil level is reducing, which also can be accompanied by a rattle or tapping noise from the engine. This concern has been identified on HRA2DDT engines fitted to J11, C13 and F15 models.

BACKGROUND

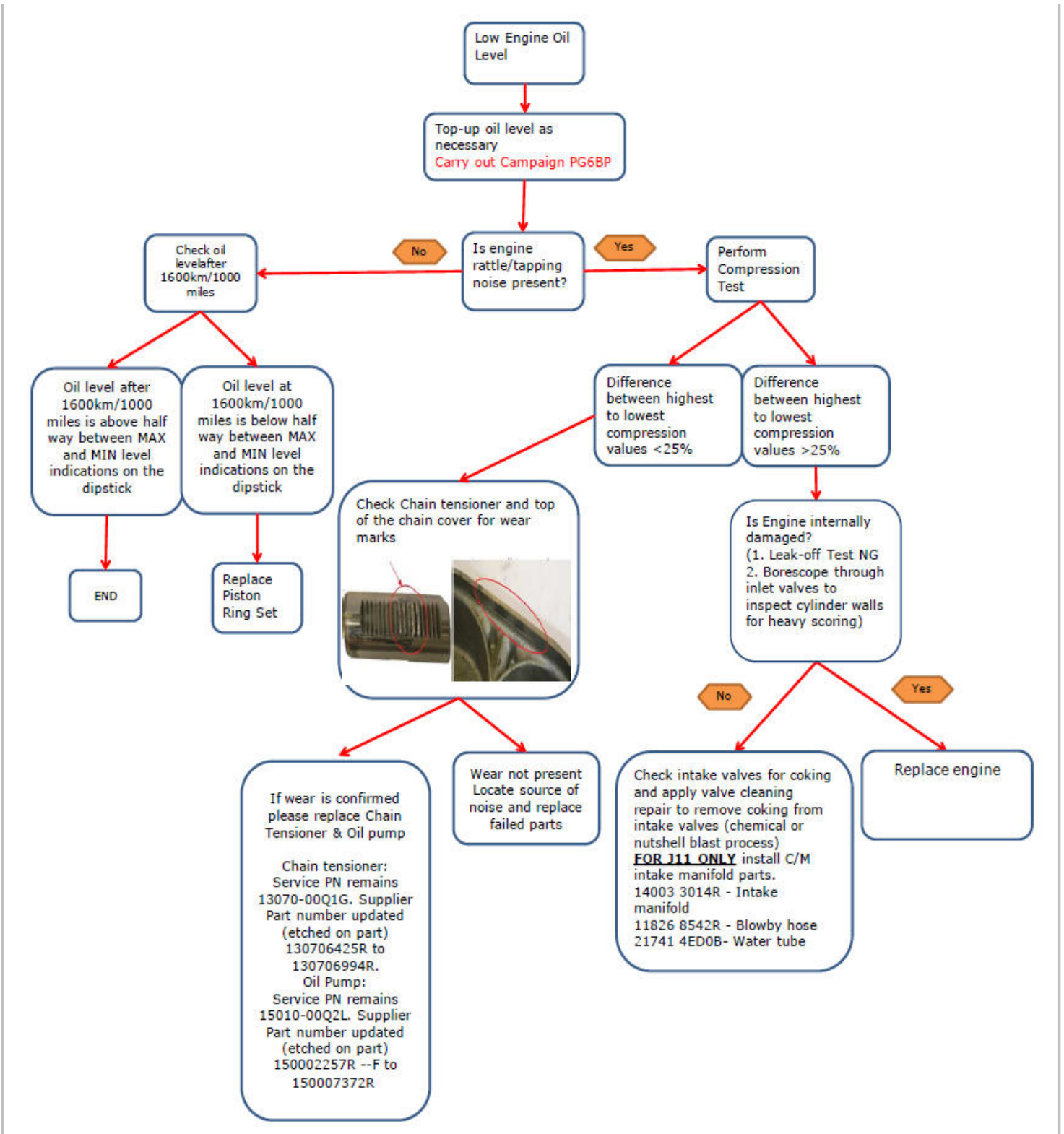
Under a certain driving pattern the oil consumption on the HRA2DDT engine may increase significantly causing the oil level in the engine to be reduced. The increased oil consumption is caused by wear of the Piston Rings, which allows oil to be drawn into the cylinder and burned. The resultant low oil level can cause the Chain Tensioner to be starved of oil, causing failure of the Chain Tensioner and an associate rattle noise from the Timing Chain. This bulletin guides diagnosis to ensure that the repair carried out is appropriate to the symptoms exhibited by the vehicle.

AFFECTED VEHICLES

J11	
FROM	TO
SJN*E*J11U1000001	SJN*E*J11U1924450
C13	
FROM	TO
VSK*D*C13U0000001	VSK*D*C13U0107014
F15	
FROM	TO
SJN*E*F15U7000001	SJN*E*F15U73103207

If the customers vehicle is out of the above VIN range but symptoms are similar to these described please follow [TB EM 15/05b High Engine Oil Consumption Post Piston Ring C/M](#).

FLOW CHART PROCEDURE



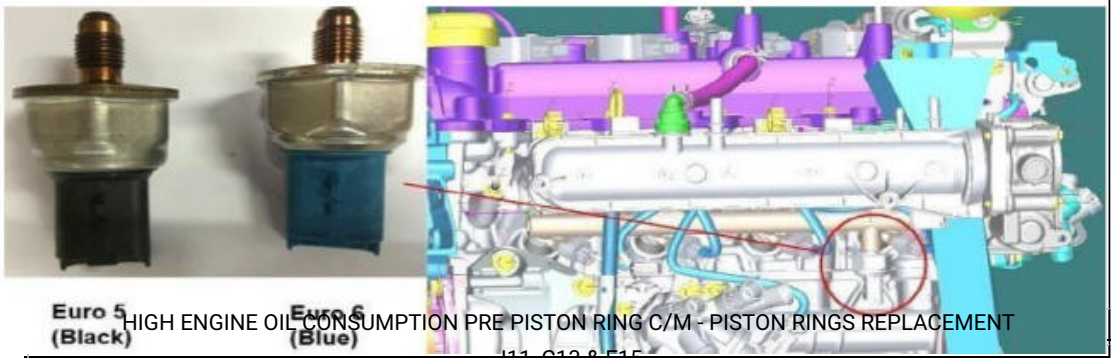
WARRANTY INFORMATION

NOTE: the claiming conditions below refer to vehicles within manufacturers warranty. For vehicles outside of this period, please refer to Goodwill Extension Bulletin [NDQ 1833](#)

It is imperative that EPC is used to obtain the correct bare engine part number when engine needs to be replaced.

EPC correctly identifies whether Euro 5 or Euro 6 Engines are fitted and the correct part number which

should be ordered. As additional confirmation Dealers can also confirm by checking the colour of the original Fuel Pressure Sensor.



SUBJECT	HIGH ENGINE OIL CONSUMPTION PRE PISTON RING C/M - PISTON RINGS REPLACEMENT		
AFFECTED MODEL	J11, C13 & F15		
WARRANTY CODES		WARRANTY	GOODWILL EXTENSION
	PFP	A2033 * (SELECT PFP AS PER WEBFAST)	GE002
	CS	AM	ZZ
	CT	32	99
	CC	0	2
OPERATIONS	DESCRIPTION	CODE	
	J11 PISTON RING RP	AE10A4	GE0020
	C13 PISTON RING RP	AE10A1	GE0030
	F15 PISTON RING RP	AE10A5	GE0026

SUBJECT	HIGH ENGINE OIL CONSUMPTION PRE PISTON RING C/M - TENSIONER & OIL PUMP REPLACEMENT		
AFFECTED MODEL	J11, C13 & F15		
WARRANTY CODES		WARRANTY	GOODWILL EXTENSION
	PFP	13070 * (SELECT PFP AS PER WEBFAST)	GE002
	CS	ZL	ZZ
	CT	32	99
	CC	0	2
OPERATIONS	DESCRIPTION	CODE	
	J11 TENSIONER RP	AG12A4	GE0022
	C13 TENSIONER RP	AG12A1	GE0031
	F15 TENSIONER RP	AG12A5	GE0027

Additional parts 15010 00Q2L - oil pump.

SUBJECT	HIGH ENGINE OIL CONSUMPTION PRE PISTON RING C/M - PISTON RING & TENSIONER REPLACEMENT WITH CYLINDER HEAD/BORESCOPE INSPECTION		
AFFECTED MODEL	J11, C13 & F15		
WARRANTY CODES		WARRANTY	GOODWILL EXTENSION
	PFP	A2033* (SELECT PFP AS PER WEBFAST)	GE002
	CS	ZL	ZZ
	CT	32	99
	CC	0	2
OPERATIONS	DESCRIPTION	CODE	
	J11 PISTON RING RP	AE10A4	GE0020
	C13 PISTON RING RP	AE10A1	GE0030
	F15 PISTON RING RP	AE10A5	GE0026

SUBJECT	HIGH ENGINE OIL CONSUMPTION PRE PISTON RING C/M - BARE ENGINE DIAGNOSIS & REPLACEMENT		
AFFECTED MODEL	J11, C13 & F15		

WARRANTY CODES	WARRANTY		GOODWILL EXTENSION
	PFP	A2033* (SELECT PFP AS PER WEBFAST)	GE002
	CS	ZL	ZZ
	CT	32	99
	CC	0	2
OPERATIONS	DESCRIPTION	CODE	
	J11 BARE ENGINE RP	AA20A4	GE0020
	C13 BARE ENGINE RP	AA20A1	GE0030
	F15 BARE ENGINE RP	AA20D5	GE0026

SUBJECT	HIGH ENGINE OIL CONSUMPTION PRE PISTON RING C/M - INTAKE VALVE CLEANING		
AFFECTED MODEL	J11, C13 & F15		
WARRANTY CODES	WARRANTY		GOODWILL EXTENSION
	PFP	13201* (SELECT PFP AS PER WEBFAST)	GE002
	CS	AC	ZZ
	CT	51	99
	CC	0	2
OPERATIONS	DESCRIPTION	CODE	
	J11 INTAKE MANIFOLD R&I	AR10A4	GE0020
	C13 INTAKE MANIFOLD R&I	AR10A1	GE0030
	F15 INTAKE MANIFOLD R&I	AR10A5	GE0026

Additional parts for J11 only - 14003 3014R intake manifold, 11826 8542R blowby hose & 217414ED0B water tube.