Service Information Bulletin
Group 11 Engine

NOTE: The information contained in this document is intended for use by trained, professional technicians with the knowledge, tools, and equipment to properly and safely perform diagnoses and repairs. It informs service technicians about conditions that may occur in some vehicles, or provides information that could assist in proper vehicle diagnosis, service, or repair, and does not indicate that a defect is present. DO NOT assume that a symptom or condition, or a described cause of a symptom or condition, affects any particular vehicle or that a described repair applies to any particular vehicle. There can be multiple causes resulting in the same symptoms or conditions, and trained professional service technicians must use their diagnostic skills to make evaluations on a case-by-case basis.

SUBJECT:
FUSO FE GAS engine diagnosis for low oil pressure warning lamp illumination

MODELS:
FEC7T, FECZT

DESCRIPTION:
Certain FUSO FE Gas vehicles equipped with a 6.0 liter L96 gas engine may experience a complaint of low oil pressure indication on the instrument panel. Verify the complaint with a mechanical gauge by removing the oil sender located on top of the engine behind the intake manifold.

If this situation occurs, it is imperative to triage and repair the vehicle quickly in order to maximize uptime for the customer. MFTA's goal is to have the vehicle repaired and returned to the customer within 24-48 hours. Please follow the steps below to triage and repair the vehicle

Step 1

- Check for codes, check oil level and inspect for external leaks.
- Install a manual oil pressure gauge, start the engine and record the engine oil pressure at idle.
- Listen for connecting rod knocks/abnormal bottom end noise.
- Drain the oil through a strainer, remove and cut open the engine oil filter and inspect for metal debris.*
- If the engine is seized, knocking or has significant metal debris, open a Technical Assistance Request (TAR) and **proceed to Step 3**.
- If there is no damage leading to engine replacement, **proceed to Step 2**.

* It is important to use an oil filter cutting tool to ensure no filter housing metal debris contaminates the filter material.



Step 2

- Inspect #1 and #3 main bearings and #2 and #5 rod bearings and journals and create a TAR on Fusonet.
- If significant damage is present in any of the bearings or journals, the TSC will direct the dealer to replace the engine assembly. **Proceed to Step 3.**
- If there is no damage present in the bearings or journals, the TSC will direct the dealer to remove and replace the engine oil pump and related gaskets. **End here.**

Please initial and route to the following personnel before filing.												
Service Mgr.		Warranty Mgr.		Service Technicians - Initial in boxes below.								
Shop Foreman		Parts Mgr.										

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Step 3

- Ensure that the engine is removed from the chassis in preparation for replacement engine arrival.
- Flush the engine oil cooler and all cooler lines of metal contamination.
- Install the replacement engine assembly.
- Perform the engine pre-lube procedure.

Note: If you need assistance expediting engine procurement, contact MFTA Customer Service at 877-711-0707.

PARTS REPLACEMENT LIST:

Below are the parts required to perform either the oil pump or engine assembly replacement. Order the replacement part(s) via next day shipment in order to minimize the downtime for the customer. MFTA's Product Support Managers will reimburse dealers for next day shipping expenses to procure the parts should this failure occur.

Oil pump replacement

Item #	Part #	Description
1.	QC002229	Oil pump assembly
2.	QC002233	Oil pump suction pipe seal
3.	QC002216	Oil filter
4.	QC002222	Oil pan gasket
5.	QC002192	Engine front cover gasket
6.	QC002198	Water pump gasket (2 required)
7.	QC002117	Flywheel mounting bolts (6 required)
8.	ML296166	Exhaust gasket
9.	ML296167	Exhaust gasket
10.	QC002204	Engine front cover seal
11.	QC002115	Crankshaft balancer bolt

Engine assembly replacement

Item #	Part #	Description
1.	QC002287	Engine Assembly

WARRANTY REIMBURSEMENT CODING:

Please refer to Warranty Update Bulletin 19-005.

FAILED PARTS HANDLING:

Oil pump replacement

Retain the failed parts following Warranty Update Bulletin 17-001 "Policy Change - Warranty Parts Retention, Storage and Claim Reimbursement".

Engine assembly replacement

Return the failed engine assembly to MFTA following Warranty Update Bulletin 17-002B "Mandatory Parts Return". Be sure to use the Heavy Return Bill of Lading attached to the bulletin to ensure that the proper return method is used.

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