

LUBRICATION

The life of any tractor depends upon the care it is given. Proper lubrication is a very important part of that care.

General Engine Lubrication

The engine has a pressure-feed lubrication system. A gear-type oil pump circulates the lubricating oil under pressure to the crankshaft bearings, connecting-rod bearings, camshaft bearings, valve mechanism, timing gears, and governor, thereby assuring positive lubrication of all parts.

Oil Pump

The gear-type oil pump in the crankcase has a screen attached to the oil intake which stops large dirt particles from entering the oiling system. Clean this screen whenever the oil pan is removed.

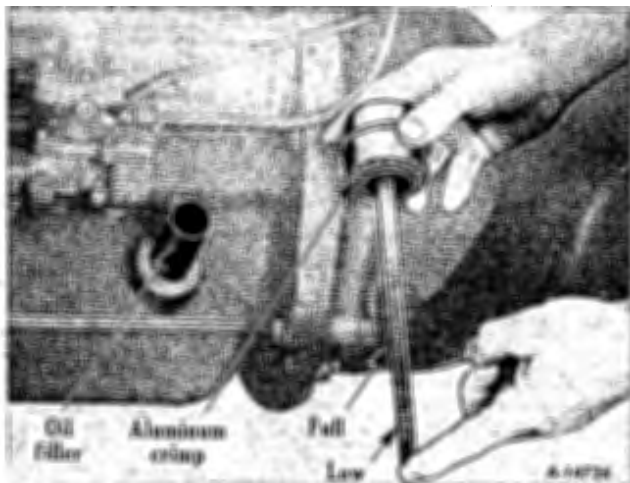
Oil Pressure Indicator

The oil pressure indicator shows whether the oil pump is working. The oil pressure should hold the indicator in the white section of the gauge at approximately 100 r.p.m. above slow idle speed. Should the indicator not register, stop the engine at once and inspect the oil system to find the cause of failure. If unable to find the cause, consult your International Harvester dealer before operating the engine.

Always look at the oil pressure indicator immediately after starting the engine.

Crankcase Breather

The crankcase breather and oil filler cap (Illustr. 14) has an oiled aluminum crimp filler which acts as a dust filter for crankcase ventilation. Clean and reoil this breather each time the engine oil is changed.



Illustr. 14

Checking the oil level in the crankcase.

Oil Filter

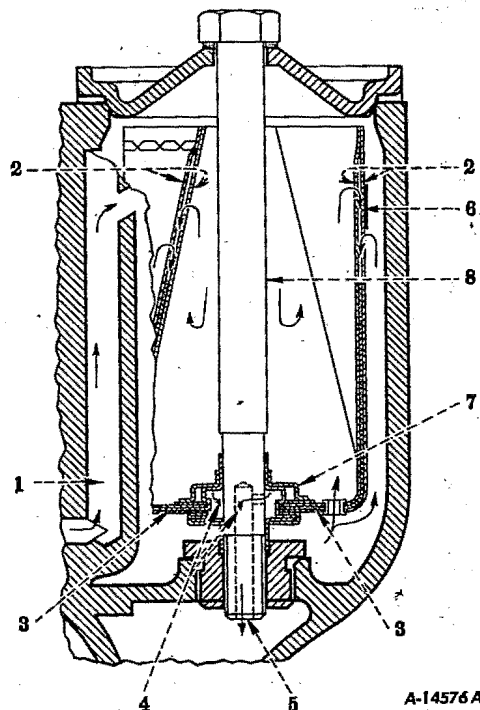
The engine is equipped with an oil filter which continually cleans the oil while the engine is running. To obtain the full benefit from the filter, replace the used element with a new one every time the oil is changed in the crankcase (after every 120 hours of operation). Cleaning the old element is not satisfactory.

Do not run the engine for any length of time with the oil level below the low mark on gauge. See Illustr. 14.

Never check the oil level while the engine is operating.

Oil Filter

The life of your engine depends upon clean oil being circulated to all bearings. Every good tractor operator knows that dirt and other injurious materials eventually get into the crankcase of the engine, and that in the normal course of engine



Illustr. 14A

Cutaway view of filter showing: (1) oil inlet; (2) replaceable filtering element; (3) mesh screen separator to provide passage for filtered oil between inner and outer layer of element; (4) outlet for filtered oil; (5) filtered oil return; (6) band holding folds of element together; (7) oil seal; (8) stud.