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1. General

This specification exceeds the legal requirements and describes the most suitable lubricating oil for AGCO Power engines. For the most part, specification follows API and ACEA classes with few exceptions. Any oil manufacturer is eligible to apply for endorsement. This document contains corporate confidential information and may not be shared outside of your organization.

2. Applications

Lubricant described in this specification can be used in following engine models and emission levels. Oil change intervals and other maintenance information according to application operator's manual.

Engine Type	Emission level
AGCO Power 33HD and MD	EU Stage IIIB, StageIV and StageV
AGCO Power 44HD and MD	EPA Tier4i and Tier4F
AGCO Power 49HD	
AGCO Power 66HD	
AGCO Power 74HD	
AGCO Power 84HD	
AGCO Power 98HD	

3. Technical Properties of oil

To fulfill the specification, lubricant must meet following properties stated in table 1.

Table 1

Property	Unit	AGCO Power Requirement	Test Method
SAE Grade		5W-40 10W-40 15W-40	
API Class		CK-4 CJ-4	
ACEA Class		E9 or E11	
Flash Point	°C	min	180
TBN	mg KOH/g	min	9
Phosphorus	ppm	min	850
Zinc	ppm	min	900

4. Product information

Documentation including following information stated in table 2 must be supplied to AGCO Power before an approval.

Table 2

Property	Unit	Test Method
API class		
ACEA class		
SAE grade		
Kinematic viscosity @40°C	mm ² /s	ASTM D445
Kinematic viscosity @100°C	mm ² /s	ASTM D445
Flash point	°C	ASTM D92
TBN	mg KOH/g	ASTM D2896
Ash level	%	ASTM D874
Phosphorus	ppm	ASTM D5185
Zinc	ppm	ASTM D5185
Pour point	°C	ASTM D97

5. Endorsement process

Oil manufacturer is shall to provide values stated in table 2 to AGCO Power engineering. A sample of 1000ml of oil shall be delivered to AGCO Power engineering for testing. Endorsement process may contain fees. After technical properties are agreed and tests executed, AGCO Power will inform the result(pass/fail).

Upon successful completion of the process, oil shall receive a written endorsement which shall be signed by both parties, oil manufacturer and AGCO Power. Product which is endorsed according to this process, can be designated “AGCO Power LOCC-G1”.

All data provided by oil manufacturer will be treated as confidential information.

6. Modification of endorsed oil

Should AGCO Power plan to introduce a change to the specification or oil manufacturer to the endorsed oil, parties shall communicate such modification promptly. Depending on a type of a change, this may lead to a new endorsement process.

7. Contact information

In LOCC-G1 related matters, please contact:

Sales.AGCOPower@agcocorp.com