

**Overview** ▶ Bioflo 5w-20 provides multiple benefits . It provides the ability to consolidate our customers need to inventory AW 32 and AW 46 oils. It provide the highest oxidation resistance of any natural esters API group V in the industry . It is suitable for higher than normal operating temperatures ( ie; above 140°F) .



BioFlo AW 5W-20 fluid is formulated featuring our proprietary **eSyn™** technology.

## Typical Properties ▼

Property	ASTM Test Method	5w-20
Product Code		BF2200520
ISO Grade		40
Specific Gravity	ASTM D1298	0.91
Viscosity @40°C, cSt	ASTM D445	42
Viscosity @100°C, cSt	ASTM D445	9
Viscosity Index (VI)	ASTM D2270	>200
Pour Point °F (°C)	ASTM D97	-8 (-22)
Flash Point °F (°C)	ASTM D92	590 (310)
Fire Point °F (°C)	ASTM D92	650 (343)
Foam Test	ASTM D892	41/39/1
Gear Lubrication, FZG Load Stage	DIN 51354-2	>12
Corrosion Protection	ASTM D665A	Pass
Readily Biodegradable (meaning>60%)		Pass
Biodegradability	OECD 301B	>70
Minimally Toxic		Pass
Algae (EC 50), 72 hr, mg/L	OECD 201	>40,000
Daphnia (EC 50), 48 hr, mg/L	OECD 202	>19,000
Fish (LC 50), 96 hr, mg/L	OECD 203	>43,000
Not Bioaccumulative (Calculated value as per EPA standard)		Pass
Bio-based Content %	ASTM D6866	>95

## Key Attributes / Approvals ▶



Any industry (foundries, steel mills, construction, mining, marine, oil & gas, plant operations, etc.) utilizing mobile or stationary hydraulically powered equipment. Also suitable for those hydraulic systems where a release into the environment is possible or where a leak or spill could reach a waste stream.

- USDA BioPreferred Program
- Classified as Environmentally Acceptable Lubricants (EAL's) as per the EPA's guidance document that defines standards for Environmentally Acceptable Lubricants (EPA 800-R-11-002) and as required by EPA's 2013 U.S. Vessel General Permit (VGP)

See the Safety Data Sheet (SDS) for emergency, proper handling and disposal information.

Rev. BFAW5W-20-06052020