



PRODUCT DATA SHEET



BIODEGRADABLE HYDRAULIC OIL

Biodegradable Hydraulic Oil is a non-toxic, biodegradable, ashless, anti-wear hydraulic fluid, formulated using a readily renewable bio-base. It is designed for use in hydraulic systems in environmentally sensitive areas, and is available in ISO Viscosity Grades, 32, 46 and 68.

Biodegradable Hydraulic Oil meets and exceeds the viscosity requirements of most hydraulic pump and equipment manufacturers.

Applications

- ◆ Hydraulic systems in environmentally sensitive areas where potential exposure to ground water or spillage into running waterways is a concern
- ◆ Hydraulic applications specifying the use of a USDA H2 rated oil

Features and Benefits

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|-----------------------|---|
| ◆ Non-toxic | Environmentally safe, reducing the effects on the eco-balance. Superior worker safety. |
| ◆ Biodegradable | Biodegrades into harmless substances. |
| ◆ Anti-wear | Improves hydraulic system component service life. Meets requirements of most major hydraulic pump manufactures. |
| ◆ Oxidation resistant | Improved base oil and antioxidant technology greatly reduces oil deterioration prolonging the oil's service life. |

General Description

Biodegradable Hydraulic Oil is an ecologically acceptable, ultimately biodegradable hydraulic oil manufactured from stable food grade base oils. **Biodegradable Hydraulic Oil** incorporates non-toxic additives and compounds that control wear, prevent rust and corrosion, and control foam and deposit formation by reducing oil deterioration. The performance of **Biodegradable Hydraulic Oil** is optimized by anti-wear additives and superior film strength, which provides exceptional load carrying capabilities.

Product No. 56790, 58360, 58361

BIODEGRADABLE HYDRAULIC OIL

TYPICAL PROPERTIES

<u>Product No.</u>	<u>56790</u>	<u>58360</u>	<u>58361</u>
ISO Viscosity Grade	32	46	68
Viscosity, ASTM D445			
@ 40°C, cSt	33.5	45.5	67.5
@ 100°C, cSt	7.68	9.87	13.4
Viscosity, ASTM D2161			
@ 100°F, SUS	170	229	339
@ 210°F, SUS	51.9	59.5	73.0
Viscosity Index, ASTM D2270	210	211	205
Base Oil Type	Natural Oil	Natural Oil	Natural Oil
Pour Point, ASTM D97			
°C	-21	-29	-29
(°F)	(-5)	(-20)	(-20)
Falex EP Test, ASTM D2783			
Non-seizure load, lbf	2250	2250	2250
Flash Point, ASTM D92			
°C	288	282	286
(°F)	(550)	(540)	(545)
Rust Test, ASTM D665, Procedure A	Pass	Pass	Pass
Biodegradability In 28 Days			
ASTM D5864 (OECD 301B), %	90.0	74.4	71.7
Specific Gravity, ASTM D1298			
60/60°F	0.917	0.914	0.914
Color	Yellow	Yellow	Yellow