



ANTI-WEAR HYDRAULIC FLUID

DESCRIPTION

49 North® Anti-Wear Hydraulic Fluids are designed to withstand the stress of demanding, constant use in a wide range of pressures and temperatures. Our Anti-Wear Hydraulic Fluids are recommended for use in systems containing all types of hydraulic pumps, including gear, radial piston, axial piston and vane. These quality products are suitable for both stationary and mobile equipment service.

QUALITIES

Our Anti-Wear Hydraulic Fluids are formulated from superior high quality base stocks and are further fortified with high performance additives that are engineered to provide excellent system performance even in the presence of water. The advanced additive package provides superior anti-wear and anti-foam qualities, rust preventatives, and oxidation inhibitors.

APPLICATIONS

They are recommended for all types of hydraulic systems and in particular those systems that operate above 1000 psi. Our Anti-Wear Hydraulic Fluids are also recommended for many bearings, machine tools, chains and moderately loaded gears. 49 North® Anti-Wear Hydraulic Fluids satisfy the requirements of all major hydraulic manufacturers including: Vickers, Hagglands-Denison, Racine, Cincinnati, Milacron, Lee-Norse, and Jeffrey.

TYPICAL PROPERTIES

ISO Viscosity Grade	22	32	46	68	100
Product Code:	63380	33415	33420	33430	33440
API Gravity (ASTM D-1298)	31.1	32.5	31.0	30.9	29.6
Viscosity (ASTM D 445):					
cSt at 40° C	21	31	45	66	101
cSt at 100° C	4.2	5.2	6.6	8.4	11.1
SUS at 100° F	110	160	232	342	528
SUS at 210° F	40	44	48	55	64
Viscosity Index (ASTM D2270)	99	98	99	99	99
Pour Point (ASTM D 97) °F	-33	-27	-27	-15	0
Pour Point (ASTM D 97) °C	-36	-33	-33	-26	-18
Flash Point (ASTM D 92) °F	400	405	410	430	475
Flash Point (ASTM D 92) °C	204	207	210	221	246
Colour (ASTM D-1500)	1.0	1.5	2.0	2.5	3.0
Turbine Oil Oxidation (D-943) Hrs	3000	3000	2800	2500	2000
Rotary Bomb Oxidation Test (ASTM D-2272) minutes	470	450	400	350	300
Rust Resistance (ASTMD-665)					
Distilled Water	Pass	Pass	Pass	Pass	Pass
Synthetic Seawater	Pass	Pass	Pass	Pass	Pass
Dielectric Strength, KV	25+	25+	25+	25+	25+

Lubricants For All Reasons