

COMPLETE TEST LISTS

HORIZON® develops and validates modifications to ASTM standard methods. Reasons for modification include: minimization of required sample and supplies, use of modern automated equipment, and less variation in sample preparation and testing. The modifications reduce costs and in most cases improve throughput, which results in lower sample pricing and faster turnaround time for our customers.

METALWORKING - Oil Based										
		UNITS OF MEASURE	SAMPLE REQD	RUSH AVAILABILITY ¹						
TEST	METHOD			IND	НОП	SLC	EDM	GUA	POZ	NOTES
Acid Number	mod. ASTM D664	mg KOH/g	5 mL							
Bacteria, Fungi, Mold	Manufacturer	counts	60 mL							
Elemental Metals Analysis (24 by ICP)	mod. ASTM D5185	ppm	2 mL							
Fat %	Internal Method	%	20 mL							
Sulfur in Oil	ASTM D4951	%	10 mL							
Viscosity @ 40° or 100° C	mod. ASTM D445	cSt	2 mL							
Water by Karl Fischer - Coulometric	mod. ASTM D6304C	% or ppm	10 mL							
Appearance	Internal Method	-	-							
Iron Alloy Corrosion	Mod. DIN 51360	counts	4 mL							

1. Rush Availability Key:

Key	Rush Type	Time Frame							
	Same-Day Service	Received by 2pm local time – completed by 5pm local time							
	Same-Day Service	Received after 2pm local time – completed by noon local time the next business day							
	Next Day Service	Completed by 5pm local time the next business day							
	Expedited Exception	Sample will be moved next in line for testing, but no time guarantee for results							
	Testing performed at a different POLARIS location.	Same as Expedited Service							
	Outsourced Test	Rush Service Unavailable							



COMPLETE TEST LISTS

METALWORKING – Water Based										
			RUSH AVAILABILITY ¹							
TEST	METHOD	UNITS OF MEASURE	SAMPLE REQD	IND	пон	SLC	EDM	GUA	POZ	NOTES
Acid Split	DIN 51368	%	200 mL							
Acid Number	mod. ASTM D664	mg KOH/g	5 mL							
Bacteria, Fungi, Mold	Manufacturer	counts	60 mL							
Concentration %	Internal Method	%	10 mL							
Elemental Metals Analysis (24 by ICP)	ASTM D6130	ppm	8 mL							
Fat %	Internal Method	%	20 mL							
Total Hardness	Internal Method	ppm	8 mL							
pH Waters	ASTM D1287	рН	20 mL							
Tramp Oil Percent	Internal Method	%	200 mL							
Viscosity @ 40°	mod. ASTM D445	cSt	2 mL							
Water by Karl Fischer - Coulometric	mod. ASTM D6304C	% or ppm	10 mL							
Nitrites	Internal Method	ppm	2 mL							
Nitrates	Internal Method	ppm	2 mL							
Appearance	Internal Method	-	-							
Reserve Alkalinity	ASTM D1121	mL	20 mL							
Iron Alloy Corrosion	Mod. DIN 51360	counts	4 mL							
Water Concentration Percent by RI	Internal Method	%	2 mL							
Conductivity	Manufacturer	μS/cm	60 mL							

1. Rush Availability Key:

Key	Rush Type	Time Frame							
	Same-Day Service	Received by 2pm local time – completed by 5pm local time							
	Same-Bay Service	Received after 2pm local time – completed by noon local time the next business day							
	Next Day Service	Completed by 5pm local time the next business day							
	Expedited Exception	Sample will be moved next in line for testing, but no time guarantee for results							
	Testing performed at a different POLARIS location.	Same as Expedited Service							
	Outsourced Test	Rush Service Unavailable							